55 SERIES 1.0 GHz OUTDOOR TAPS [DT55G-SR-CB-x-x-x]

Cable Products, Mainline Passives

Taikan

Description

Taikan's 55 series taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by Taikan's one year limited warranty. *

Features

- 5-1002 MHz Bandwidth (1.2 GHz option also available)
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Operational Temperature Range -40°C to +60°C (-40°F to +140°F)
- Double Polyurethane Coating for Greater Weather Protection
- Power Passing Option: CB: Continuous Through Signal w/o Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- Printed Circuit Boards
- PIM Equalizable Tap Options Available
- Splitter and Coupler Options Available
- Flatness In/Out: ± 0.5, Flatness In/Tap: ± 0.5
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A

Ordering Information

DT55G - SR - CB - [PIM] - [Port] - [dB Value]

- dB Value: *See Options Below*
- Port: ***2, 82, 4, 84, or 8***
- PIM: ***PIM*** *(Plug in Module Option/Conditioning Tap) *Not Standard / Not Available in the US*

Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
DT55G-SR-CB-x-x-2xx	10 pcs	50 pcs	18 kg / 39 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55G-SR-CB-x-x-4xx	10 pcs	50 pcs	19 kg / 41 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55G-SR-CB-x-x-8xx	10 pcs	40 pcs	23 kg / 50 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35
DT55G-SR-CB-x-82xx	10 pcs	40 pcs	23 kg / 50 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32
DT55G-SR-CB-x-84xx	10 pcs	40 pcs	23 kg / 50 lbs	-08T, -11, -14, -17, -20, -23, -26. -29, -32, -35

* Please refer to http://www.taikan.com/Downloads/warranty.pdf for our warrenty service agreement

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2 Port Specifications - 1.0 GHz

Customization available upon request

Insertion Loss (dB)

Frequency	4T	8		11		14		17		20		23		26		29		32	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5–42 MHz	T	3.4	3.1	1.8	1.2	1.0	0.8	0.9	0.7	0.8	0.5	0.8	0.4	0.8	0.4	0.8	0.4	0.8	0.4
43–400 MHz	T	3.6	3.5	2.0	1.8	1.3	1.2	1.0	0.9	1.0	0.9	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8
401–750 MHz	T	4.5	4.2	2.4	2.2	1.5	1.5	1.4	1.1	1.2	1.0	1.2	1.0	1.2	1.0	1.2	1.0	1.2	1.0
751–1002 MHz	T	4.8	4.5	3.3	3.0	2.6	1.7	2.0	1.5	2.0	1.4	1.8	1.3	1.8	1.3	1.8	1.3	1.8	1.3

Tap Value (dB) Tolerance: ± 1.0

Frequency	4T	8	11	14	17	20	23	26	29	32
5–600 MHz	4	8	11	14	17	20	23	26	29	32
601–800 MHz	4	8	11	14	17	20	23	26	29	32
801–1002 MHz	4	8	11	14	17	20	23	26	29	32

Tap to Tap Isolation (dB)

Frequency	4T	8	11	14	17	20	23	26	29	32
5–15 MHz	22	22	22	22	22	22	22	22	22	22
16–42 MHz	25	25	25	25	25	25	25	25	25	25
43–600 MHz	25	25	25	25	25	25	25	25	25	25
601–1002 MHz	22	22	22	22	22	22	22	22	22	22

Output to Tap Isolation (dB)

Frequency	4T	8	11	14	17	20	23	26	29	32
5–15 MHz	T	22	22	24	27	30	35	38	40	44
16–400 MHz	T	23	26	30	30	34	36	38	42	45
401–750 MHz	T	22	22	22	28	30	32	32	32	32
751–1002 MHz	T	22	22	22	28	30	32	32	32	32

Input / Output / Tap Return Loss (dB)

Frequency	4T	8	11	14	17	20	23	26	29	32
5–15 MHz	16	16	16	16	16	16	16	16	16	16
16–42 MHz	18	18	18	18	18	18	18	18	18	18
43–400 MHz	18	18	18	18	18	18	18	18	18	18
401–1002 MHz	16	16	16	16	16	16	16	16	16	16

Hum Modulation @ 10 A (dB)

5–1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60

General Specifications: Power Passing 12 A, 60/90 VAC

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4 Port Specifications - 1.0 GHz

Customization available upon request

Insertion Loss (dB)

Frequency		8T	11		14		17		20		23		26		29		32		35	
			Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5–42 MHz		T	3.2	3.2	1.8	1.6	1.0	0.9	1.0	0.7	1.0	0.4	0.8	0.4	0.8	0.4	0.8	0.4	0.8	0.4
43–400 MHz		T	3.5	3.4	2.0	1.8	1.3	1.2	1.0	0.9	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8
401–750 MHz		T	4.5	4.2	2.4	2.2	1.5	1.3	1.4	1.2	1.2	1.0	1.2	1.0	1.2	1.0	1.2	1.0	1.2	1.0
751–1002 MHz		T	4.8	4.5	3.5	3.0	2.6	1.7	2.0	1.6	1.8	1.4	1.8	1.3	1.8	1.3	1.8	1.3	1.8	1.3

Tap Value (dB) Tolerance: ± 1.0

Frequency	8T	11	14	17	20	23	26	29	32	35
5–600 MHz	8	11	14	17	20	23	26	29	32	35
601–800 MHz	8	11	14	17	20	23	26	29	32	35
801–1002 MHz	8	11	14	17	20	23	26	29	32	35

Tap to Tap Isolation (dB)

Frequency	8T	11	14	17	20	23	26	29	32	35
5–15 MHz	22	22	22	22	22	22	22	22	22	22
16–42 MHz	25	25	25	25	25	25	25	25	25	25
43–600 MHz	25	25	25	25	25	25	25	25	25	25
601–1002 MHz	22	22	22	22	22	22	22	22	22	22

Output to Tap Isolation (dB)

Frequency	8T	11	14	17	20	23	26	29	32	35
5–15 MHz	T	22	22	22	27	35	38	40	42	44
16–400 MHz	T	25	27	30	33	33	34	42	44	45
401–750 MHz	T	24	25	28	30	30	30	39	41	43
751–1002 MHz	T	22	23	24	25	24	25	27	31	32

Input / Output / Tap Return Loss (dB)

Frequency	8T	11	14	17	20	23	26	29	32	35
5–15 MHz	16	16	16	16	16	16	16	16	16	16
16–42 MHz	18	18	18	18	18	18	18	18	18	18
43–400 MHz	18	18	18	18	18	18	18	18	18	18
401–1002 MHz	16	16	16	16	16	16	16	16	16	16

Hum Modulation @ 10 A (dB)

5–1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60

General Specifications: Power Passing 12 A, 60/90 VAC

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8 Port Specifications - 1.0 GHz

Customization available upon request

Insertion Loss (dB)

		11T	14		17		20		23		26		29		32		35	
			Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
Frequency	5–42 MHz	T	3.2	3.2	1.8	1.6	1.1	0.9	1.0	0.9	1.0	0.4	0.8	0.4	0.8	0.4	0.8	0.4
	43–400 MHz	T	3.5	3.4	2.0	1.8	1.3	1.2	1.3	0.9	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8
	401–750 MHz	T	4.5	4.2	2.4	2.2	1.5	1.3	1.5	1.1	1.2	1.0	1.2	1.0	1.2	1.0	1.2	1.0
	751–1002 MHz	T	4.8	4.5	3.5	3.0	2.2	2.0	2.2	1.6	1.8	1.4	1.8	1.3	1.8	1.3	1.8	1.3

Tap Value (dB) Tolerance: ± 1.0

		11T	14	17	20	23	26	29	32	35
Frequency	5–600 MHz	11	14	17	20	23	26	29	32	35
	601–800 MHz	11	14	17	20	23	26	29	32	35
	801–1002 MHz	11	14	17	20	23	26	29	32	35

Tap to Tap Isolation (dB)

		11T	14	17	20	23	26	29	32	35
Frequency	5–15 MHz	22	22	22	22	22	22	22	22	22
	16–42 MHz	25	25	25	25	25	25	25	25	25
	43–600 MHz	25	25	25	25	25	25	25	25	25
	601–1002 MHz	22	22	22	22	22	22	22	22	22

Output to Tap Isolation (dB)

		11T	14	17	20	23	26	29	32	35
Frequency	5–15 MHz	T	22	22	26	31	35	38	40	42
	16–400 MHz	T	28	28	30	33	34	35	42	44
	401–750 MHz	T	25	25	25	28	28	30	32	32
	751–1002 MHz	T	23	23	25	28	28	28	31	32

Input / Output / Tap Return Loss (dB)

		11T	14	17	20	23	26	29	32	35
Frequency	5–15 MHz	16	16	16	16	16	16	16	16	16
	16–42 MHz	18	18	18	18	18	18	18	18	18
	43–400 MHz	18	18	18	18	18	18	18	18	18
	401–1002 MHz	16	16	16	16	16	16	16	16	16

Hum Modulation @ 10 Amp (dB)

5–1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60

General Specifications: Power Passing 12 A, 60/90 VAC

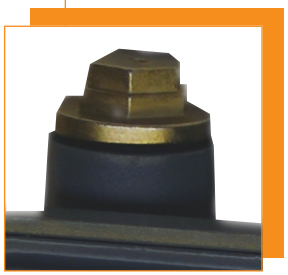
55 SERIES 1.0 GHz SPLITTERS & COUPLERS [DC/DS55G-x] Taikan

Cable Products, Mainline Splitters & Couplers

Features

- 5-1002 MHz bandwidth
- 15 A Current Capacity / 15 A, (or 20 A) Current Capacity for Power Inserter
- Aluminum Alloy Housing Used for Corrosion Resistant
- Double Polyurethane Coating for Greater Weather Protection
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Rotational Seizure Mechanism for Aerial or Pedestal Installation
- Aerial or Pedestal Installation
- Printed Circuit Board
- Compliant with SCTE Guidelines

Application



Both a directional coupler (unequal power divider) and splitter (equal power divider) split your network's trunk and feederlines. A line power inserter enables a single cable to service the power and signal requirements of active modules in a broadband telecommunications network by passively combining radio frequency (RF) signals with up to 90 volts alternating current (VAC) from a line power supply.

Ordering Information

DS55G- **x**

2, 3, 3B, Splitter

DC55G- **x** - **x**

***15** or **20** Amp (Options for Power Inserter only)*

***8, 12, 16** dB Coupler, **PI** (Power Inserter)*

Model Number	*Standard Carton*	*Inner Box*	*Carton Weight*	*dB Values Available*
DS55G-xx	30 pcs	10 pcs	20 kgs / 44 lbs	2, 3, 3B Splitter
DC55G-xx	30 pcs	10 pcs	20 kgs / 44 lbs	8, 12, 16 dB Coupler, -PI Power Inserter

Customization available upon request

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General Specifications

Power Passing:	15 A, 60/90 VAC for Directional Splitters & Directional Couplers
	15 A, (20 A Optional) 60/90 VAC for Power Inserter
Surge Withstand:	IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A
Waterproof Condition:	1.2kg/cm² 60 sec
Impedance:	75 Ohms
Connectors:	In/Out 5/8" -24 NEF female

Mainline Splitters - 1.0 GHz

Insertion Loss (dB) Tolerance: ± 0.25

Frequency	DS55G-2	DS55G-3B	DS55G-3		
5-42 MHz	3.9	6.3	4.0	7.4	dB
43-600 MHz	4.2	6.3	4.2	7.6	dB
601-800 MHz	4.5	6.7	4.6	8.1	dB
801-1002 MHz	5.1	7.7	5.2	9.3	dB

Output - Output Isolation (dB)

Frequency	DS55G-2	DS55G-3B	DS55G-3	
5-15 MHz	21	22	22	dB
16-400 MHz	25	22	24	dB
401-600 MHz	21	22	22	dB
601-800 MHz	20	21	22	dB
801-1002 MHz	20	20	20	dB

Return Loss - Input / Output (dB)

Frequency	DS55G-2	DS55G-3B	DS55G-3	
5-42 MHz	17	17	17	dB
43-600 MHz	18	18	18	dB
601-800 MHz	17	16	17	dB
801-1002 MHz	17	17	17	dB

Mainline Couplers - 1.0 GHz

Insertion Loss (dB) Tolerance: ± 0.25

Frequency	DC55G-8	DC55G-12	DC55G-16	DC55G-PI-x	
5-42 MHz	1.6	1.2	1.0	0.7	dB
43-600 MHz	1.9	1.3	1.2	0.7	dB
601-800 MHz	2.5	1.7	1.4	0.9	dB
801-1002 MHz	3.1	2.2	2.0	1.0	dB

Tap Value (dB) Tolerance: ± 1.5

Frequency	DC55G-8	DC55G-12	DC55G-16	DC55G-PI-x	
5-600 MHz	8	12	16		dB
601-800 MHz	8	12	16		dB
801-1002 MHz	8	12	16		dB

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Mainline Couplers - 1.0 GHz (cont.)

Output - Tap Isolation (dB)

Frequency	DC55G-8	DC55G-12	DC55G-16	DC55G-PI-x	
5-15 MHz	21	23	24	63	dB
16-400 MHz	28	27	30	60	dB
401-600 MHz	25	25	27	60	dB
601-800 MHz	21	21	20	60	dB
801-1002 MHz	20	20	20	52	dB

Return Loss - Input / Output (dB)

Frequency	DC55G-8	DC55G-12	DC55G-16	DC55G-PI-x	
5-42 MHz	17	17	17	18	dB
43-600 MHz	18	18	18	18	dB
601-800 MHz	17	17	17	17	dB
801-1002 MHz	17	17	17	17	dB

Hum Modulation @ 15 A (dB)

Frequency	DS55G-2	DS55G-3B	DS55G-3	DS55G-8	DS55G-12	DS55G-16	DS55G-PI-x
5-10 MHz	≥ -52	≥ -52	≥ -52	≥ -52	≥ -52	≥ -52	≥ -52
10-15 MHz	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55
15-1002 MHz	≥ -60	≥ -60	≥ -60	≥ -60	≥ -60	≥ -60	≥ -60

Screening Effectiveness (dB)

Frequency	DS55G-2	DS55G-3B	DS55G-3	DS55G-8	DS55G-12	DS55G-16	DS55G-PI-x
5-1002 MHz	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95

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55 SERIES 1.218 GHz OUTDOOR TAPS [DT55V-SR-CB-x-x-x]

Cable Products, Mainline Passives

Taikan

Description

Taikan's 55 series 1.218 GHz taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by Taikan's one year limited warranty. *

Features

- Supports DOCSIS 3.1 Expanded Bandwidth up to 1218 MHz
- 5-1218 MHz Bandwidth
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Double Polyurethane Coating for Greater Weather Protection
- Operational Temperature Range -40°C to +60°C (-40°F to +140°F)
- Power Passing Option: CB: Continuous Through Signal without Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- PIM Equalizable Tap Options Available
- Splitter and Coupler Options Available
- Flatness In/Out: ± 0.5, Flatness In/Tap: ± 0.5
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A

Ordering Information

DT55V - SR - CB - [PIM] - [Port] - [dB Value]

- dB Value: *See Options Below*
- Port: ***2***, ***82***, ***4***, ***84***, or ***8***
- PIM: ***PIM*** *(Plug in Module Option/Conditioning Tap) *Not Standard / Not Available in the US*

Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
DT55V-SR-CB-x-x-2xx	10 pcs	50 pcs	18 kg / 39 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55V-SR-CB-x-x-4xx	10 pcs	50 pcs	19 kg / 41 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55V-SR-CB-x-x-8xx	10 pcs	40 pcs	23 kg / 50 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35
DT55V-SR-CB-x-x-82xx	10 pcs	40 pcs	23 kg / 50 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32
DT55V-SR-CB-x-x-84xx	10 pcs	40 pcs	23 kg / 50 lbs	-08T, -11, -14, -17, -20, -23, -26. -29, -32, -35

* Please refer to http://www.taikan.com/Downloads/warranty.pdf for our warrenty service agreement

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2 Port Specifications - 1.218 GHz

Customization available upon request

Insertion Loss (dB)

Frequency		4T	8		11		14		17		20		23		26		29		32 / 35	
			Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-10 MHz		T	3.8	3.2	1.8	1.5	1.3	1.1	1.3	1.1	1.0	0.8	1.0	0.8	0.9	0.7	0.9	0.7	0.9	0.7
10–65 MHz		T	3.6	3.0	1.6	1.4	1.1	0.8	1.1	0.7	0.8	0.6	0.8	0.6	0.7	0.6	0.7	0.5	0.7	0.5
65–300 MHz		T	4.0	3.4	1.8	1.5	1.3	0.9	1.2	0.8	0.9	0.7	0.9	0.7	0.9	0.7	0.8	0.6	0.8	0.6
300–550 MHz		T	4.7	4.0	2.5	2.1	1.9	1.4	1.7	1.1	1.3	0.9	1.3	0.9	1.3	0.8	1.2	0.8	1.2	0.8
550–750 MHz		T	5.0	4.3	2.7	2.3	2.1	1.4	1.8	1.2	1.5	1.0	1.5	1.0	1.4	0.8	1.3	0.8	1.3	0.8
750–862 MHz		T	5.0	4.3	3.0	2.5	2.3	1.5	2.0	1.2	1.8	1.3	1.7	1.2	1.7	0.9	1.4	0.9	1.4	0.9
862–1000 MHz		T	5.1	4.4	3.1	2.6	2.4	1.6	2.1	1.3	1.9	1.3	1.8	1.2	1.8	1.1	1.5	1.1	1.5	1.1
1000–1218 MHz		T	5.3	4.6	3.3	3.0	2.6	2.0	2.3	1.8	2.1	1.5	2.0	1.5	2.0	1.5	1.8	1.5	1.8	1.5

Tap Value (dB) ± 1.0 (± 1.5 860-1218MHz)

Frequency	4T	8	11	14	17	20	23	26	29	32 / 35
5–65 MHz	4	8	11	14	17	20	23	26	29	32 / 35
65–860 MHz	4	8	11	14	17	20	23	26	29	32 / 35
860–1218 MHz	4	8	11	14	17	20	23	26	29	32 / 35

Tap to Tap Isolation (dB)

Frequency (Max)	4T	8	11	14	17	20	23	26	29	32 / 35
5-10 MHz	18	18	18	18	18	18	18	18	18	18
10–65 MHz	26	26	26	26	26	26	26	26	26	26
65–860 MHz	24	24	24	24	24	24	24	24	24	24
860–1218 MHz	22	22	22	22	22	22	22	22	22	22

Out to Tap Isolation (dB)

Frequency (Max)	4T	8	11	14	17	20	23	26	29	32 / 35
5-10 MHz	T	21	23	24	26	27	29	30	32	33 / 35
10–65 MHz	T	27	29	30	32	33	35	36	38	39 / 41
65–860 MHz	T	25	27	28	30	31	33	34	36	37 / 39
860–1218 MHz	T	23	25	26	28	29	31	32	34	35 / 37

Return Loss (dB)

Frequency (Min)	4T	8	11	14	17	20	23	26	29	32 / 35
5-10 MHz	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
10–47 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
47–950 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
950–1218 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16

Hum Modulation (dB)

Frequency (Min)	4T	8	11	14	17	20	23	26	29	32 / 35
5–10 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65
10–860 MHz	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
860–1218 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65

General Specifications: Power Passing 12 A, 60/90 VAC

4 Port Specifications - 1.218 GHz

Customization available upon request

Insertion Loss (dB)

Frequency	8T	11		14		17		20		23		26		29		32		35	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-10 MHz	T	3.8	3.2	1.8	1.5	1.3	1.1	1.3	1.1	1.0	0.8	1.0	0.8	0.9	0.7	0.9	0.7	0.9	0.7
10–65 MHz	T	3.6	2.9	1.6	1.3	1.1	0.8	1.1	0.7	0.8	0.6	0.8	0.6	0.7	0.5	0.7	0.5	0.7	0.5
65–300 MHz	T	4.0	3.2	1.8	1.5	1.3	0.9	1.2	0.8	0.9	0.6	0.9	0.6	0.9	0.6	0.8	0.6	0.8	0.5
300–550 MHz	T	4.7	3.8	2.5	2.0	1.9	1.4	1.7	1.0	1.3	0.8	1.3	0.8	1.3	0.8	1.2	0.7	1.2	0.7
550–750 MHz	T	5.0	4.0	2.7	2.2	2.1	1.5	1.8	1.1	1.5	1.0	1.5	1.0	1.4	1.0	1.3	0.9	1.3	0.9
750–862 MHz	T	5.0	4.0	3.0	2.4	2.3	1.6	2.0	1.2	1.8	1.1	1.7	1.1	1.7	1.1	1.4	0.9	1.4	0.9
862–1000 MHz	T	5.1	4.1	3.1	2.5	2.4	1.7	2.1	1.3	1.9	1.2	1.8	1.2	1.8	1.2	1.5	1.0	1.5	1.0
1000–1218 MHz	T	5.3	4.2	3.6	3.0	2.6	2.0	2.3	1.8	2.1	1.5	2.0	1.5	2.0	1.5	1.8	1.5	1.8	1.5

Tap Value (dB) ± 1.0 (± 1.5 860-1218MHz)

Frequency	8T	11	14	17	20	23	26	29	32	35
5–65 MHz	8	11	14	17	20	23	26	29	32	35
65–860 MHz	8	11	14	17	20	23	26	29	32	35
860–1218 MHz	8	11	14	17	20	23	26	29	32	35

Tap to Tap Isolation (dB)

Frequency (Max)	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	18	18	18	18	18	18	18	18	18	18
10–65 MHz	26	26	26	26	26	26	26	26	26	26
65–860 MHz	24	24	24	24	24	24	24	24	24	24
860–1218 MHz	22	22	22	22	22	22	22	22	22	22

Out to Tap Isolation (dB)

Frequency (Max)	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	T	23	24	26	27	29	30	32	33	35
10–65 MHz	T	29	30	32	33	35	36	38	39	41
65–860 MHz	T	27	28	30	31	33	34	36	37	39
860–1218 MHz	T	25	26	28	29	31	32	34	35	37

Return Loss (dB)

Frequency (Min)	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
10–47 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
47–950 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
950–1218 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16

Hum Modulation (dB)

Frequency (Min)	8T	11	14	17	20	23	26	29	32	35
5–10 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65
10–860 MHz	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
860–1218 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65

General Specifications: Power Passing 12 A, 60/90 VAC

8 Port Specifications - 1.218 GHz

Customization available upon request

Insertion Loss (dB)

Frequency	11T	14		17		20		23		26		29		32		35	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-10 MHz	T	3.8	3.2	1.8	1.5	1.3	1.1	1.3	1.1	1.0	0.9	1.0	0.9	0.9	0.8	0.9	0.8
10–65 MHz	T	3.6	3.1	1.6	1.4	1.1	0.9	1.1	0.9	0.8	0.7	0.8	0.7	0.7	0.6	0.7	0.6
65–300 MHz	T	4.0	3.4	1.8	1.5	1.3	1.1	1.2	1.0	0.9	0.8	0.9	0.8	0.9	0.8	0.8	0.7
300–550 MHz	T	4.7	4.0	2.5	2.1	1.9	1.6	1.7	1.4	1.3	1.1	1.3	1.1	1.3	1.1	1.2	1.0
550–750 MHz	T	5.0	4.2	2.7	2.3	2.1	1.8	1.8	1.5	1.5	1.3	1.5	1.3	1.4	1.2	1.3	1.1
750–862 MHz	T	5.0	4.2	3.0	2.5	2.3	2.0	2.0	1.7	1.8	1.5	1.7	1.4	1.7	1.4	1.4	1.2
862–1000 MHz	T	5.1	4.3	3.1	2.6	2.4	2.1	2.1	1.8	1.9	1.6	1.8	1.3	1.8	1.3	1.5	1.3
1000–1218 MHz	T	5.5	4.5	3.6	3.0	2.6	2.2	2.3	2.0	2.1	1.8	2.0	1.7	2.0	1.5	1.8	1.5

Tap Value (dB) ± 1.0 (± 1.5 860-1218MHz)

Frequency	11T	14	17	20	23	26	29	32	35
5–65 MHz	11	14	17	20	23	26	29	32	35
65–860 MHz	11	14	17	20	23	26	29	32	35
860–1218 MHz	11	14	17	20	23	26	29	32	35

Tap to Tap Isolation (dB)

Frequency (Max)	11T	14	17	20	23	26	29	32	35
5-10 MHz	18	18	18	18	18	18	18	18	18
10–65 MHz	26	26	26	26	26	26	26	26	26
65–860 MHz	24	24	24	24	24	24	24	24	24
860–1218 MHz	22	22	22	22	22	22	22	22	22

Out to Tap Isolation (dB)

Frequency (Max)	11T	14	17	20	23	26	29	32	35
5-10 MHz	T	24	26	27	29	30	32	33	35
10–65 MHz	T	30	32	33	35	36	38	39	41
65–860 MHz	T	28	30	31	33	34	36	37	39
860–1218 MHz	T	26	28	29	31	32	34	35	37

Return Loss (dB)

Frequency (Min)	11T	14	17	20	23	26	29	32	35
5-10 MHz	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
10–47 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
47–950 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
950–1218 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16

Hum Modulation (dB)

Frequency (Min)	11T	14	17	20	23	26	29	32	35
5–10 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65
10–860 MHz	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
860–1218 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65

General Specifications: Power Passing 12 A, 60/90 VAC

55 SERIES 1.218 GHz SPLITTERS & COUPLERS [DC/DS55V-x]

Cable Products, Mainline Splitters & Couplers

Taikan

Features

- Supports DOCSIS 3.1 Expanded Bandwidth up to 1218 MHz
- 5-1218 MHz Frequency Range
- Aluminum Alloy Housing Used for Corrosion Resistant
- Double Polyurethane Coating for Greater Weather Protection
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- 15 A Current Capacity / 15 A (or 20 A) Current Capacity for Power Inserter
- Rotational Seizure Mechanism for Aerial or Pedestal Installation
- Aerial or Pedestal Installation
- Printed Circuit Board
- Compliant with SCTE Guidelines

Application

Both a directional coupler (unequal power divider) and splitter (equal power divider) split your network's trunk and feederlines. A line power inserter enables a single cable to service the power and signal requirements of active modules in a broadband telecommunications network by passively combining radio frequency (RF) signals with up to 90 volts alternating current (VAC) from a line power supply.

Ordering Information

DS55V-[x]

2, 3, or 3B Splitter

DC55V-[x]-[x]

15 or 20 Amp (Options for Power Inserter only)

8, 12, or 16 dB Coupler, PI (Power Inserter)

Model Number	Standard Carton	Inner Box	Carton Weight	dB Values Available
DS55G-xx	30 pcs	10 pcs	20 kgs / 44 lbs	2, 3, 3B Splitter
DC55G-xx	30 pcs	10 pcs	20 kgs / 44 lbs	8, 12, 16 dB Coupler, -PI Power Inserter

Customization available upon request

CE Taikan

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General Specifications

Power Passing:	15 A, 60/90 VAC for Directional Splitters & Directional Couplers 15 A, (20 A Optional) 60/90 VAC for Power Inserter
Surge Withstand:	IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A
Waterproof Condition:	1.2kg/cm² 60 sec
Impedance:	75 Ohms
Connectors:	In/Out 5/8" -24 NEF female

Mainline Splitters - 1.218 GHz

Insertion Loss (dB) Tolerance: ± 0.25

Frequency	DS55V-2	DS55V-3B	DS55V-3	
5-65 MHz	4.1	6.3	4.1	7.4
65-300 MHz	4.3	6.3	4.3	7.5
300-550 MHz	4.5	6.5	4.5	7.6
550-750 MHz	4.6	7.0	4.6	7.7
750-862 MHz	4.8	7.2	4.9	8.0
862-1000 MHz	4.8	7.3	5.0	8.0
1000-1218 MHz	5.3	8.0	5.3	8.5

Output - Output Isolation (dB)

Frequency	DS55V-2	DS55V-3B	DS55V-3
5-65 MHz	26	22	25
65-860 MHz	24	24	24
860-1218 MHz	22	22	22

Return Loss - Input / Output (dB)

Frequency	DS55V-2	DS55V-3B	DS55V-3
10-47 MHz	18	18	18
47-950 MHz	18	18	18
950-1218 MHz	14	14	14

Mainline Couplers - 1.218 GHz

Insertion Loss (dB) Tolerance: ± 0.25

Frequency	DC55V-8	DC55V-12	DC55V-16	DC55V-PI-x
5-65 MHz	1.8	1.3	1.0	0.8
65-300 MHz	2.3	1.7	1.2	1.1
300-550 MHz	2.5	1.9	1.4	1.2
550-750 MHz	2.7	2.1	1.6	1.3
750-862 MHz	2.9	2.3	1.9	1.3
862-1000 MHz	3.1	2.5	2.0	1.3
1000-1218 MHz	3.3	2.7	2.5	1.4

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Mainline Couplers - 1.218 GHz (cont.)

Tap Value (dB) Tolerance: ± 1.0 (±1.5 for 1000-1218MHz)

Frequency	DC66V-8	DC66V-12	DC66V-16	DC66V-PI-x
5-65 MHz	8	12	16	
65-300 MHz	8	12	16	
300-550 MHz	8	12	16	
550-750 MHz	8	12	16	
750-862 MHz	8	12	16	
862-1000 MHz	8	12	16	
1000-1218 MHz	8	12	16	

Output - Tap Isolation (dB)

Frequency	DC55V-8	DC55V-12	DC55V-16	DC55V-PI-x
5-65 MHz	27.5	27.0	32.0	60.0
66-860 MHz	24.0	27.0	30.0	60.0
861-1218 MHz	22.0	25.0	26.0	52.0

Return Loss - Input / Output (dB)

Frequency	DC55V-8	DC55V-12	DC55V-16	DC55V-PI-x
10-47 MHz	18	18	18	18
47-950 MHz	18	18	18	18
950-1218 MHz	14	14	14	14

Hum Modulation @ 15 A (dB)

Frequency	DS55V-2	DS55V-3B	DS55V-3	DC55V-8	DC55V-12	DC55V-16	DC55V-PI-x
5-10 MHz	≥ -52	≥ -52	≥ -52	≥ -52	≥ -52	≥ -52	≥ -52
10-15 MHz	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55
15-1000 MHz	≥ -60	≥ -60	≥ -60	≥ -60	≥ -60	≥ -60	≥ -60
1000-1218 MHz	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55

Screening Effectiveness (dB)

Frequency	DS55V-2	DS55V-3B	DS55V-3B	DC55V-8	DC55V-12	DC55V-16	DC55V-PI-x
5-1000 MHz	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95
1000-1218 MHz	≥ 85	≥ 85	≥ 85	≥ 85	≥ 85	≥ 85	≥ 85

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55 SERIES 1.8 GHz OUTDOOR TAPS [DT55W-SR-CB-x-x]

Cable Products, Mainline Passives

Taikan

Description

Taikan's 55 series 1.8 GHz taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by Taikan's one year limited warranty. *

Features

- Supports Standard Spectrum DOCSIS (FDD) and Full Duplex DOCSIS (FDX) Compliant Systems
- 5-1800 MHz Bandwidth
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Double Polyurethane Coating for Greater Weather Protection
- Power Passing Option: CB: Continuous Through Signal without Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- Printed Circuit Boards
- Flatness In/Out: ± 0.5, Flatness In/Tap: ± 0.5
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A

Ordering Information

DT55W - SR - CB - [Port] [dB Value]

See Options Below

2, 82, 4, 84, or 8

Model Number	*Inner Box*	*Standard Carton*	*Carton Weight*	*dB Values Available*
DT55W-SR-CB-2xx	10 pcs	50 pcs	18 kg / 40 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55W-SR-CB-4xx	10 pcs	50 pcs	19 kg / 42 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55W-SR-CB-8xx	10 pcs	40 pcs	23 kg / 51 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35
DT55W-SR-CB-82xx	10 pcs	40 pcs	23 kg / 51 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32
DT55W-SR-CB-84xx	10 pcs	40 pcs	23 kg / 51 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35

* Please refer to http://www.taikan.com/Downloads/warranty.pdf for our warrenty service agreement

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2 Port Specifications

Customization available upon request

Insertion Loss (dB)

Frequency	4T	8	11	14	17	20	23	26	29	32
5-10 MHZ	T	3.8	1.8	1.3	1.3	1.0	1.0	0.9	0.9	0.9
10–65 MHz	T	3.6	1.6	1.1	1.1	0.8	0.8	0.7	0.7	0.7
65–300 MHz	T	4.0	1.8	1.3	1.2	0.9	0.9	0.9	0.8	0.8
300–550 MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2
550–750 MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3
750–862 MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4
862–1000 MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5	1.5
1000–1218 MHz	T	5.3	3.3	2.6	2.3	2.1	2.0	2.0	1.7	1.7
1218-1500 MHz	T	5.6	4.0	3.0	2.6	2.5	2.4	2.4	2.4	2.4
1500-1700 MHz	T	5.8	4.5	3.5	3.0	2.5	2.4	2.4	3.4	2.4
1700-1800 MHz	T	6.0	5.2	4.0	3.5	3.0	2.8	2.8	2.8	2.8

Tap Value (dB) *Tolerance 5-850 MHz ± 1.0 dB, 850-1218 MHz ± 1.5 dB, 1218-1800 MHz ± 2.0 dB*

Frequency	4T	8	11	14	17	20	23	26	29	32
5–65 MHz	4	8	11	14	17	20	23	26	29	32
65–860 MHz	4	8	11	14	17	20	23	26	29	32
860–1218 MHz	4	8	11	14	17	20	23	26	29	32
1218-1500 MHz	4	8	11	14	17	20	23	26	29	32
1500-1700 MHz	4	9	12	14	17	20	23	26	29	32
1700-1800 MHz	4	10	12.5	14.5	17	20	23	26	29	32

Tap to Tap Isolation (dB)

Frequency (Max)	4T	8	11	14	17	20	23	26	29	32
5-10 MHz	18	18	18	18	18	18	18	18	18	18
10–65 MHz	26	26	26	26	26	26	26	26	26	26
65–860 MHz	24	24	24	24	24	24	24	24	24	24
860–1218 MHz	22	22	22	22	22	22	22	22	22	22
1218-1500 MHz	20	20	20	20	20	20	20	20	20	20
1500-1700 MHz	17	17	17	17	17	17	17	17	17	17
1700-1800 MHz	17	17	17	17	17	17	17	17	17	17

2 Port Specifications Cont'd

Customization available upon request

Output to Tap Isolation (dB)

Frequency	(Max)	4T	8	11	14	17	20	23	26	29	32
5-10 MHz	T	21	23	24	26	27	29	30	32	33
10–65 MHz	T	27	29	30	32	33	35	36	38	39
65–860 MHz	T	25	27	28	30	31	33	34	36	37
860–1218 MHz	T	23	25	26	28	29	31	32	34	35
1218-1500 MHz	T	25	25	25	27	27	30	31	30	30
1500-1700 MHz	T	20	20	20	22	23	27	30	27	27
1700-1800 MHz	T	20	20	20	22	23	27	30	27	27

Return Loss (dB)

Frequency	(Min)	4T	8	11	14	17	20	23	26	29	32
5-10 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
10–47 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
47–850 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
850–1218 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
1218-1500 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
1500-1700 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
1700-1800 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12

4 Port Specifications

Customization available upon request

Insertion Loss (dB)

Frequency		8T	11	14	17	20	23	26	29	32	35
5-10 MHz	T	3.8	1.8	1.3	1.3	1.0	1.0	0.9	0.9	0.9	
10–65 MHz	T	3.6	1.6	1.1	1.1	0.8	0.8	0.7	0.7	0.7	
65–300 MHz	T	4.0	1.8	1.3	1.2	0.9	0.9	0.9	0.8	0.8	
300–550 MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2	
550–750 MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3	
750–862 MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4	
862–1000 MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5	1.5	
1000–1218 MHz	T	5.3	3.3	2.6	2.3	2.1	2.0	2.0	1.7	1.7	
1218-1500 MHz	T	5.4	4.0	3.0	2.5	2.5	2.4	2.4	2.4	2.4	
1500-1700 MHz	T	6.0	4.8	3.5	3.0	2.8	2.5	2.5	2.5	2.5	
1700-1800 MHz	T	6.6	5.0	4.0	3.5	3.0	2.8	2.8	2.8	2.8	

Tap Value (dB) *Tolerance 5-850 MHz ± 1.0 dB, 850-1218 MHz ± 1.5 dB, 1218-1800 MHz ± 2.0 dB*

Frequency	8T	11	14	17	20	23	26	29	32	35
5–65 MHz	8	11	14	17	20	23	26	29	32	35
65–860 MHz	8	11	14	17	20	23	26	29	32	35
860–1218 MHz	8	11	14	17	20	23	26	29	32	35
1218-1500 MHz	8	12.5	15	17	20	23	26	29	32	35
1500-1700 MHz	8	13	15	17	20	23	26	29	32	35
1700-1800 MHz	8	13.5	15.5	17.5	20	23	26	29	32	35

Tap to Tap Isolation (dB)

Frequency (Max)	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	18	18	18	18	18	18	18	18	18	18
10–65 MHz	26	26	26	26	26	26	26	26	26	26
65–860 MHz	24	24	24	24	24	24	24	24	24	24
860–1218 MHz	22	22	22	22	22	22	22	22	22	22
1218-1500 MHz	20	20	20	20	20	20	20	20	20	20
1500-1700 MHz	17	17	17	17	17	17	17	17	17	17
1700-1800 MHz	17	17	17	17	17	17	17	17	17	17

4 Port Specifications Cont'd

Customization available upon request

Output to Tap Isolation (dB)

Frequency	(Max) 8T	11	14	17	20	23	26	29	32	35
5-10 MHz	T	23	24	26	27	29	30	32	33	35
10–65 MHz	T	29	30	32	33	35	36	38	39	41
65–860 MHz	T	27	28	30	31	33	34	36	37	39
860–1218 MHz	T	25	26	28	29	31	32	34	35	37
1218-1500 MHz	T	25	25	25	27	27	30	30	30	30
1500-1700 MHz	T	20	20	22	22	23	27	27	27	27
1700-1800 MHz	T	20	20	22	22	23	27	27	27	27

Return Loss (dB)

Frequency	(Min) 8T	11	14	17	20	23	26	29	32	35
5-10 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
10–47 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
47–850 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
850–1218 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
1218-1500 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
1500-1700 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
1700-1800 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12

8 Port Specifications

Customization available upon request

Insertion Loss (dB)

Frequency	11T	14	17	20	23	26	29	32	35
5-10 MHz	T	3.8	1.8	1.5	1.3	1.0	1.0	0.9	0.9
10–65 MHz	T	3.6	1.6	1.5	1.1	0.8	0.8	0.7	0.7
65–300 MHz	T	4.0	1.8	1.5	1.2	0.9	0.9	0.9	0.8
300–550 MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2
550–750 MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3
750–862 MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4
862–1000 MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5
1000–1218 MHz	T	5.3	3.3	2.6	2.3	2.1	2.0	2.0	1.7
1218-1500 MHz	T	5.6	4.0	3.0	2.6	2.5	2.6	2.6	2.6
1500-1700 MHz	T	5.8	4.5	3.5	3.0	2.5	3.0	3.0	3.0
1700-1800 MHz	T	6.0	5.2	3.5	3.5	3.0	3.5	3.5	3.5

Tap Value (dB) *Tolerance 5-850 MHz ± 1.0 dB, 850-1218 MHz ± 1.5 dB, 1218-1800 MHz ± 2.0 dB*

Frequency	11T	14	17	20	23	26	29	32	35
5–65 MHz	11	14	17	20	23	26	29	32	35
65–860 MHz	11	14	17	20	23	26	29	32	35
860–1218 MHz	11	14	17	20	23	26	29	32	35
1218-1500 MHz	11	15	17	20	23	26.5	29	32	35
1500-1700 MHz	11	15.5	18	20.5	23	26.5	29	32	35
1700-1800 MHz	11	15.5	18.5	20.5	23.5	27	29	32	35

Tap to Tap Isolation (dB)

Frequency (Max)	11T	14	17	20	23	26	29	32	35
5-10 MHz	18	18	18	18	18	18	18	18	18
10–65 MHz	26	26	26	26	26	26	26	26	26
65–860 MHz	24	24	24	24	24	24	24	24	24
860–1218 MHz	22	22	22	22	22	22	22	22	22
1218-1500 MHz	20	20	20	20	20	20	20	20	20
1500-1700 MHz	17	17	17	17	17	17	17	17	17
1700-1800 MHz	17	17	17	17	17	17	17	17	17

8 Port Specifications Cont'd

Customization available upon request

Output to Tap Isolation (dB)

Frequency	(Max) 11T	14	17	20	23	26	29	32	35
5-10 MHz	T	24	26	27	29	30	32	33	35
10–65 MHz	T	30	32	33	35	36	38	39	41
65–860 MHz	T	28	30	31	33	34	36	37	39
860–1218 MHz	T	26	28	29	31	32	34	35	37
1218-1500 MHz	T	26	25	25	25	30	25	30	30
1500-1700 MHz	T	25	25	25	25	30	25	30	30
1700-1800 MHz	T	25	25	25	25	30	25	30	30

Tap Return Loss (dB)

Frequency	(Min) 11T	14	17	20	23	26	29	32	35
5-10 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
10–47 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
47–850 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
850–1218 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
1218-1500 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
1500-1700 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
1700-1800 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12

55 SERIES 1.218 GHz REVERSE WINDOW TAP

[DT55V-SR-CB-IL-xxx/xx-EQ-xx] *Cable Products, Mainline Passives*

Taikan

Description

Taikan's 55 series taps have been designed with the future of the CATV industry in mind. The reverse window option allows for the more efficient use of high value taps by having a greater loss at higher frequencies and a lower loss in the lower frequencies. This feature is available in three forward path tap values: 26, 29, and 32 dB, and three return path tap values: 17, 20, 23 dB. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by a one year limited warranty.

Features

- Supports DOCSIS 3.1 Expanded Bandwith up to 1218 MHz
- 5-1218 MHz Bandwidth
- 12 A Current Capacity
- Inline Reverse Window Design
- Aluminum Alloy Housing used for Corrosion Resistance
- Rubber Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Double Polyurethane Coating for Greater Weather Protection
- Power Passing Option: CB: Continuous Through Signal w/o Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- Printed Circuit Boards
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A

Ordering Information

DT55V - SR - CB - IL - [x] [xx] / [xx] - EQ - [xx]

- [xx] — *Refer to **Forward Path dB and Return Path dB Values** in **Specifications Table** for Corresponding EQ Number*
- [xx] — ***17, 20, or 23** for Return Path dB Value*
- [xx] — ***26, 29, or 32** for Forward Path dB Value*
- [x] — ***2, 4, or 8** Port*

Model Number	Inner Box	Standard Carton	Carton Weight	Foward Path dB Values Available	Return Path dB Values Available
DT55V-SR-CB-IL-2xx/xx-EQ-xx	10 pcs	50 pcs	18 kg / 40 lbs	26, 29, 32	17, 20, 23
DT55V-SR-CB-IL-4xx/xx-EQ-xx	10 pcs	50 pcs	19 kg / 42 lbs	26, 29, 32	17, 20, 23
DT55V-SR-CB-IL-8xx/xx-EQ-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23
DT55V-SR-CB-IL-82xx/xx-EQ-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23
DT55V-SR-CB-IL-84xx/xx-EQ-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23

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Specifications

Insertion Loss (17 dB Return Path)	2-Port (dB) 26/17 (EQ-9)	2-Port (dB) 29/17 (EQ-12)	2-Port (dB) 32/17 (EQ-15)	4-Port (dB) 26/17 (EQ-9)	4-Port (dB) 29/17 (EQ-12)	4-Port (dB) 32/17 (EQ-15)	8-Port (dB) 26/17 (EQ-9)	8-Port (dB) 29/17 (EQ-12)	8-Port (dB) 32/17 (EQ-15)
5–42 MHz	1.3	1.3	1.3	1.5	1.5	1.5	2.2	2.2	2.2
43–400 MHz	1.6	1.6	1.6	1.9	1.9	1.9	2.2	2.2	2.2
401–750 MHz	1.8	1.8	1.8	2.1	2.1	2.1	2.7	2.7	2.7
751–1002 MHz	2.1	2.1	2.1	2.4	2.4	2.4	3.1	3.1	3.1
1003-1218 MHz	2.3	2.3	2.3	2.6	2.6	2.6	3.3	3.3	3.3

Frequency

Insertion Loss (20 dB Return Path)	2-Port (dB) 26/20 (EQ-6)	2-Port (dB) 29/20 (EQ-9)	2-Port (dB) 32/20 (EQ-12)	4-Port (dB) 26/20 (EQ-6)	4-Port (dB) 29/20 (EQ-9)	4-Port (dB) 32/20 (EQ-12)	8-Port (dB) 26/20 (EQ-6)	8-Port (dB) 29/20 (EQ-9)	8-Port (dB) 32/20 (EQ-12)
5–42 MHz	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3
43–400 MHz	1.3	1.3	1.3	1.5	1.5	1.5	1.8	1.8	1.8
401–750 MHz	1.5	1.5	1.5	1.8	1.8	1.8	2.1	2.1	2.1
751–1002 MHz	1.9	1.9	1.9	2.1	2.1	2.1	2.4	2.4	2.4
1003-1218 MHz	2.1	2.1	2.1	2.3	2.3	2.3	2.6	2.6	2.6

Frequency

Insertion Loss (23 dB Return Path)	2-Port (dB) 26/23 (EQ-3)	2-Port (dB) 29/23 (EQ-6)	2-Port (dB) 32/23 (EQ-9)	4-Port (dB) 26/23 (EQ-3)	4-Port (dB) 29/23 (EQ-6)	4-Port (dB) 32/23 (EQ-9)	8-Port (dB) 26/23 (EQ-3)	8-Port (dB) 29/23 (EQ-6)	8-Port (dB) 32/23 (EQ-9)
5–42 MHz	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
43–400 MHz	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2
401–750 MHz	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6
751–1002 MHz	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
1003-1218 MHz	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.5	2.5

Frequency

Tap Value (17 dB Return Path) Tolerance: ± 1.5	2-Port (dB) 26/17 (EQ-9)	2-Port (dB) 29/17 (EQ-12)	2-Port (dB) 32/17 (EQ-15)	4-Port (dB) 26/17 (EQ-9)	4-Port (dB) 29/17 (EQ-12)	4-Port (dB) 32/17 (EQ-15)	8-Port (dB) 26/17 (EQ-9)	8-Port (dB) 29/17 (EQ-12)	8-Port (dB) 32/17 (EQ-15)
5–42 MHz	16.7	16.7	16.8	17.1	17.2	17.3	16.5	16.6	16.8
43–400 MHz	19.9	20.9	22.2	20.5	21.5	22.5	20.1	21.1	22.2
401–750 MHz	22.4	24.2	26.1	22.8	24.6	26.3	22.5	24.3	26.1
751–1002 MHz	24.4	26.8	29.3	24.5	27.0	29.4	24.4	26.8	29.3
1003-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0

Frequency

Tap Value (20 dB Return Path) Tolerance: ± 1.5	2-Port (dB) 26/20 (EQ-6)	2-Port (dB) 29/20 (EQ-9)	2-Port (dB) 32/20 (EQ-12)	4-Port (dB) 26/20 (EQ-6)	4-Port (dB) 29/20 (EQ-9)	4-Port (dB) 32/20 (EQ-12)	8-Port (dB) 26/20 (EQ-6)	8-Port (dB) 29/20 (EQ-9)	8-Port (dB) 32/20 (EQ-12)
5–42 MHz	19.7	19.7	19.8	20.1	20.3	20.3	19.5	19.6	19.8
43–400 MHz	22.2	23.3	24.3	22.5	23.6	24.7	22.1	23.2	24.3
401–750 MHz	23.8	25.7	27.5	24.0	25.9	27.7	23.7	25.6	27.5
751–1002 MHz	25.1	27.5	29.9	25.1	27.6	30.0	25.0	27.5	29.9
1003-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0

Frequency

General Specifications: Power Passing 12 A, 60/90 VAC

Specifications

Tap Value (23 dB Return Path) Tolerance: ± 1.5	2-Port (dB) 26/23 (EQ-3)	2-Port (dB) 29/23 (EQ-6)	2-Port (dB) 32/23 (EQ-9)	4-Port (dB) 26/23 (EQ-3)	4-Port (dB) 29/23 (EQ-6)	4-Port (dB) 32/23 (EQ-9)	8-Port (dB) 26/23 (EQ-3)	8-Port (dB) 29/23 (EQ-6)	8-Port (dB) 32/23 (EQ-9)
Frequency									
5–42 MHz	22.7	22.7	22.8	23.1	23.2	23.3	22.5	22.6	22.8
43–400 MHz	24.1	25.2	26.4	24.3	25.5	26.7	23.9	25.2	26.4
401–750 MHz	24.9	26.8	28.7	25.0	27.0	28.9	24.8	26.8	28.7
751–1002 MHz	25.5	28.0	30.5	25.6	28.1	30.6	25.5	28.0	30.5
1003-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0

Tap to Tap Isolation (dB)	2-Port (dB) 26/xx	2-Port (dB) 29/xx	2-Port (dB) 32/xx	4-Port (dB) 26/xx	4-Port (dB) 29/xx	4-Port (dB) 32/xx	8-Port (dB) 26/17	8-Port (dB) 29/xx	8-Port (dB) 32/xx
Frequency									
5–42 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
43–400 MHz	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
401–750 MHz	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
751–1002 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
1003-1218 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0

Output to Tap Isolation (dB)	2-Port (dB) 26/xx	2-Port (dB) 29/xx	2-Port (dB) 32/xx	4-Port (dB) 26/xx	4-Port (dB) 29/xx	4-Port (dB) 32/xx	8-Port (dB) 26/xx	8-Port (dB) 29/xx	8-Port (dB) 32/xx
Frequency									
5–42 MHz	28.0	28.0	28.0	28.0	28.0	28.0	26.0	26.0	26.0
43–400 MHz	33.0	33.0	33.0	33.0	33.0	33.0	32.0	32.0	32.0
401–750 MHz	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
751–1002 MHz	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
1003-1218 MHz	27.0	27.0	27.0	27.0	27.0	27.0	28.0	28.0	28.0

Input/Output/Tap Return Loss (dB)	2-Port (dB) 26/xx	2-Port (dB) 29/xx	2-Port (dB) 32/xx	4-Port (dB) 26/xx	4-Port (dB) 29/xx	4-Port (dB) 32/xx	8-Port (dB) 26/xx	8-Port (dB) 29/xx	8-Port (dB) 32/xx
Frequency									
5–42 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
43–400 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
401–750 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
751–1002 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
1003-1218 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

General Specifications: Power Passing 12 A, 60/90 VAC

55 SERIES 1.0 GHz INLINE REVERSE WINDOW TAP

[DT55G-SR-CB-IL-xxx/xx-EQ-xx] *Cable Products, Mainline Passives*

Description

Taikan's 55 series taps have been designed with the future of the CATV industry in mind. The reverse window option allows for the more efficient use of high value taps by having a greater loss at higher frequencies and a lower loss in the lower frequencies. This feature is available in three forward path tap values: 26, 29, and 32 dB, and three return path tap values: 17, 20, 23 dB. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by a one year limited warranty.

Features

- 5-1002 MHz Bandwidth
- 12 A Current Capacity
- Inline Reverse Window Design
- Aluminum Alloy Housing used for Corrosion Resistance
- Rubber Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Double Polyurethane Coating for Greater Weather Protection
- Power Passing Option: CB: Continuous Through Signal without Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- Printed Circuit Boards
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination

Ordering Information

DT55G - SR - CB - IL - [x] [xx] / [xx] - EQ - [xx]

- [xx] — *Refer to **Forward Path dB and Return Path dB Values** in **Specifications Table** for Corresponding EQ Number*
- [xx] — ***17, 20, or 23** for Return Path dB Value*
- [xx] — ***26, 29, or 32** for Forward Path dB Value*
- [x] — ***2, 4, or 8** Port*

Model Number	Inner Box	Standard Carton	Carton Weight	Forward Path dB Values Available	Return Path dB Values Available
DT55G-SR-CB-IL-2xx/xx-EQ-xx	10 pcs	50 pcs	18 kg / 40 lbs	26, 29, 32	17, 20, 23
DT55G-SR-CB-IL-4xx/xx-EQ-xx	10 pcs	50 pcs	19 kg / 42 lbs	26, 29, 32	17, 20, 23
DT55G-SR-CB-IL-8xx/xx-EQ-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23
DT55G-SR-CB-IL-82xx/xx-EQ-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23
DT55G-SR-CB-IL-84xx/xx-EQ-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23

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Specifications

Insertion Loss (17 dB Return Path)	2-Port (dB)			4-Port (dB)			8-Port (dB)		
Frequency	26/17 (EQ-9)	29/17 (EQ-12)	32/17 (EQ-15)	26/17 (EQ-9)	29/17 (EQ-12)	32/17 (EQ-15)	26/17 (EQ-9)	29/17 (EQ-12)	32/17 (EQ-15)
5–42 MHz	1.3	1.3	1.3	1.5	1.5	1.5	2.2	2.2	2.2
43–400 MHz	1.6	1.6	1.6	1.9	1.9	1.9	2.2	2.2	2.2
401–750 MHz	1.8	1.8	1.8	2.1	2.1	2.1	2.7	2.7	2.7
751–1002 MHz	2.1	2.1	2.1	2.4	2.4	2.4	3.1	3.1	3.1

Insertion Loss (20 dB Return Path)	2-Port (dB)			4-Port (dB)			8-Port (dB)		
Frequency	26/20 (EQ-6)	29/20 (EQ-9)	32/20 (EQ-12)	26/20 (EQ-6)	29/20 (EQ-9)	32/20 (EQ-12)	26/20 (EQ-6)	29/20 (EQ-9)	32/20 (EQ-12)
5–42 MHz	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3
43–400 MHz	1.3	1.3	1.3	1.5	1.5	1.5	1.8	1.8	1.8
401–750 MHz	1.5	1.5	1.5	1.8	1.8	1.8	2.1	2.1	2.1
751–1002 MHz	1.9	1.9	1.9	2.1	2.1	2.1	2.4	2.4	2.4

Insertion Loss (23 dB Return Path)	2-Port (dB)			4-Port (dB)			8-Port (dB)		
Frequency	26/23 (EQ-3)	29/23 (EQ-6)	32/23 (EQ-9)	26/23 (EQ-3)	29/23 (EQ-6)	32/23 (EQ-9)	26/23 (EQ-3)	29/23 (EQ-6)	32/23 (EQ-9)
5–42 MHz	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
43–400 MHz	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2
401–750 MHz	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6
751–1002 MHz	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0

Tap Value (17 dB Return Path) Tolerance: ± 1.0	2-Port (dB)			4-Port (dB)			8-Port (dB)		
Frequency	26/17 (EQ-9)	29/17 (EQ-12)	32/17 (EQ-15)	26/17 (EQ-9)	29/17 (EQ-12)	32/17 (EQ-15)	26/17 (EQ-9)	29/17 (EQ-12)	32/17 (EQ-15)
5–42 MHz	16.7	16.7	16.8	17.1	17.2	17.3	16.5	16.6	16.8
43–400 MHz	19.9	20.9	22.2	20.5	21.5	22.5	20.1	21.1	22.2
401–750 MHz	22.4	24.2	26.1	22.8	24.6	26.3	22.5	24.3	26.1
751–1002 MHz	24.4	26.8	29.3	24.5	27.0	29.4	24.4	26.8	29.3

Tap Value (20 dB Return Path) Tolerance: ± 1.0	2-Port (dB)			4-Port (dB)			8-Port (dB)		
Frequency	26/20 (EQ-6)	29/20 (EQ-9)	32/20 (EQ-12)	26/20 (EQ-6)	29/20 (EQ-9)	32/20 (EQ-12)	26/20 (EQ-6)	29/20 (EQ-9)	32/20 (EQ-12)
5–42 MHz	19.7	19.7	19.8	20.1	20.3	20.3	19.5	19.6	19.8
43–400 MHz	22.2	23.3	24.3	22.5	23.6	24.7	22.1	23.2	24.3
401–750 MHz	23.8	25.7	27.5	24.0	25.9	27.7	23.7	25.6	27.5
751–1002 MHz	25.1	27.5	29.9	25.1	27.6	30.0	25.0	27.5	29.9

General Specifications: Power Passing 12 A, 60/90 VAC

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Specifications

Tap Value (23 dB Return Path) Tolerance: ± 1.0	2-Port (dB) 26/23 (EQ-3)	2-Port (dB) 29/23 (EQ-6)	2-Port (dB) 32/23 (EQ-9)	4-Port (dB) 26/23 (EQ-3)	4-Port (dB) 29/23 (EQ-6)	4-Port (dB) 32/23 (EQ-9)	8-Port (dB) 26/23 (EQ-3)	8-Port (dB) 29/23 (EQ-6)	8-Port (dB) 32/23 (EQ-9)
Frequency									
5–42 MHz	22.7	22.7	22.8	23.1	23.2	23.3	22.5	22.6	22.8
43–400 MHz	24.1	25.2	26.4	24.3	25.5	26.7	23.9	25.2	26.4
401–750 MHz	24.9	26.8	28.7	25.0	27.0	28.9	24.8	26.8	28.7
751–1002 MHz	25.5	28.0	30.5	25.6	28.1	30.6	25.5	28.0	30.5

Tap to Tap Isolation (dB)	2-Port (dB) 26/xx	2-Port (dB) 29/xx	2-Port (dB) 32/xx	4-Port (dB) 26/xx	4-Port (dB) 29/xx	4-Port (dB) 32/xx	8-Port (dB) 26/17	8-Port (dB) 29/xx	8-Port (dB) 32/xx
Frequency									
5–42 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
43–400 MHz	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
401–750 MHz	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
751–1002 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0

Output to Tap Isolation (dB)	2-Port (dB) 26/xx	2-Port (dB) 29/xx	2-Port (dB) 32/xx	4-Port (dB) 26/xx	4-Port (dB) 29/xx	4-Port (dB) 32/xx	8-Port (dB) 26/xx	8-Port (dB) 29/xx	8-Port (dB) 32/xx
Frequency									
5–42 MHz	28.0	28.0	28.0	28.0	28.0	28.0	26.0	26.0	26.0
43–400 MHz	33.0	33.0	33.0	33.0	33.0	33.0	32.0	32.0	32.0
401–750 MHz	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
751–1002 MHz	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0

Input/Output/Tap Return Loss (dB)	2-Port (dB) 26/xx	2-Port (dB) 29/xx	2-Port (dB) 32/xx	4-Port (dB) 26/xx	4-Port (dB) 29/xx	4-Port (dB) 32/xx	8-Port (dB) 26/xx	8-Port (dB) 29/xx	8-Port (dB) 32/xx
Frequency									
5–42 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
43–400 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
401–750 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
751–1002 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

General Specifications: Power Passing 12 A, 60/90 VAC

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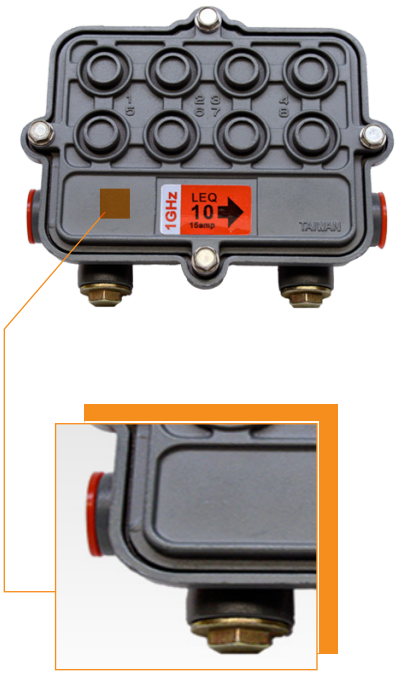
LEQ 55 SERIES OUTDOOR TAPS [LEQ55G-CB-x]

Cable Products, Mainline Passives

Taikan

Description

Taikan's LEQ 55 series taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth, while minimizing costly equipment upgrades for cable providers. All taps are backed by Taikan's 1 year limited warranty*



Features

- 5–1002 MHz Bandwidth
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Weather Rubber Gasket and RFI Shielding Mesh
- Double Polyurethane Coating for Greater Weather Protection
- Aerial or Pedestal Installation
- Printed Circuit Boards
- Equalizer Values of 7, 8, 9, 10 dB
- CB: Continuous through signal w/o faceplate
- Rotational Seizure Mechanism for Aerial or Pedestal Installation
- Compliant with SCTE guidelines

Ordering Information

LEQ55G - CB - [x]

***7**, **8**, **9**, or **10** dB*

Model Number	*Inner Box*	*Standard Carton*	*Carton Weight*	*dB Values Available*
LEQ55G-CB-x	10 pcs	40 pcs	17 kg / 38 lb	7, 8, 9, 10

Frequency	*5-42*	*54-100*	*400*	*500*	*600*	*700*	*800*	*900*	*1002*	*MHz*
Insertion Loss LEQ55G-CB-7	0.7	7.0	6.2	5.4	4.6	3.8	3.0	2.3	1.5	dB
Insertion Loss LEQ55G-CB-8	0.7	8.0	7.0	6.0	5.1	4.2	3.2	2.3	1.3	dB
Insertion Loss LEQ55G-CB-9	0.7	9.0	7.8	6.7	5.6	4.5	3.4	2.3	1.1	dB
Insertion Loss LEQ55G-CB-10	0.7	10.0	8.75	7.5	6.25	5.0	3.75	2.5	1.0	dB
Linear Equalization Slope					±0.7					
Return Loss Input/Output	15	16	18	18	17	16	16	16	16	dB

CE

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Taikan

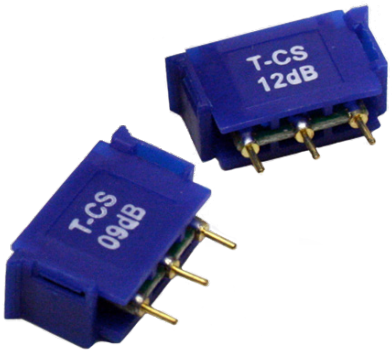
PLUG IN MODULE (PIM) SERIES

Cable Products, Mainline Passives, Conditioning Taps

Taikan

Features

- 5–1218 MHz Bandwidth
- 12 Amp Current Capacity
- CB: Continuous Through Signal w/o Faceplate
- PIM: Plug In Jumper Installed in the Unit.
- Aluminum Alloy Housing used for Corrosion Resistance
- Double Polyurethane Coating for Greater Weather Protection
- Neoprene Gasket and RFI Shielding Gasket
- Printed Circuit Board



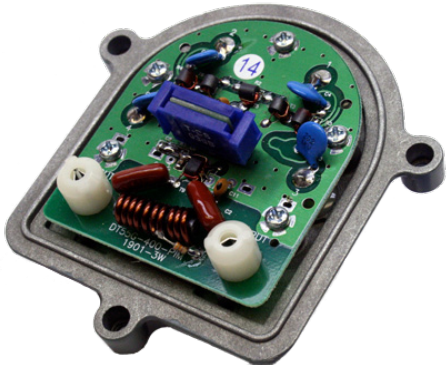
General Specifications

Flatness (5-1218 MHz) | ±0.35 dB (minimum)

RFI (5-1218 MHz) | -100 dB (minimum)

Current | 12 Amps Continuous

Nominal Impedance | 75 Ohms



Ordering Information

DT[XX]V - SR - CB - PIM - [x] [x]

- [XX]: **33**, **55**, **66**, *or* **88**
- [x]: ***see dB values below***
- [x]: **2**, **4**, *or* **8** *port*

Model Number	Standard Carton	Inner Box	Carton Weight	dB Values Available
DTXXV-SR-CB-PIM-2xx	50 pcs (40 pcs)**	10 pcs	17 kg / 37 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DTXXV-SR-CB-PIM-4xx	50 pcs (40 pcs)**	10 pcs	18 kg / 40 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DTXXV-SR-CB-PIM-8xx	40 pcs	10 pcs	21 kg / 46 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35

****66, 88 series are 40 pcs**

PIM-[x][x][x][x][x]

- [x]: ***U**: (5-42 MHz); **E**: (5-65 MHz) **J**: (5-55 MHz); **S**: (5-30 MHz) **M**: (5-85 MHz) (use for RPA, FPA, or HP)*
- [x]: ***2, 4, 6, 8, 10** (use for RPA)*
- [x]: ***3, 5, 6, 8, 10, 11, 13, 15** dB (use for EQ)*
- [x]: ***4, 7, 10, 13** dB (use for CS or FPA)*
- [x]: ***CS-, EQ-, FPA-, RPA-, HP-***

Model Number	Std Qty	Inner Box	Description	Values (dB)
PIM-CS-xx	30 pcs	10 pcs	Cable Simulator - Maintains low loss in the return drop path, while attenuating the forward drop signals to the proper system levels.	4, 7, 10, 13
PIM-EQ-xx	30 pcs	10 pcs	Cable Equalizer- Attenuates the return path signal from the customer premise, thus reducing the effects of system ingress. In addition, tightens the window of return path signal variation allowing for efficient operation of an optical nodes' return transmitter.	3, 5, 6, 8, 10, 11,13, 15
PIM-RPA-xx-x	30 pcs	10 pcs	Return Path Attenuator- Similar to PIM-EQ, except is split dependent and provides less impact on the forward drop signal.	2, 4, 6, 8, 10
PIM-FPA-xx-x	30 pcs	10 pcs	Forward Path Attenuator - Attenuates the forward path to reduce the signal level into the customer premise	4, 7, 10, 13
PIM-JP	30 pcs	10 pcs	Jumper - To ensure the continued signal transmission.	
PIM-HP-xx	30 pcs	10 pcs	High Pass Plug In - Similar to PIM-RPA but attenuates the return path even more. Reduces system expense by not requiring a filter on every port.	Customizable

**Currently Unavailable in the United States*

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CE

CS: Cable Simulator / PIM-CS-xx dB

Insertion Loss (dB)

Frequency	CS-4	CS-7	CS-10	CS-13
5–42 MHz	1.0	1.0	1.0	1.0
42–400 MHz	2.0	2.5	3.0	5.0
400–750 MHz	3.0	5.0	7.5	9
750–1002 MHz	3.8	6.5	10	12.5
1002-1218 MHz	4.5	8	12	16

Return Loss (dB)

Frequency	CS-4	CS-7	CS-10	CS-13
5–1002 MHz	16	16	16	16
1002-1218 MHz	12	12	12	12

FPA: Forward Path Attenuator / PIM-FPA-xx dB

Insertion Loss (dB)

Frequency	FPA-4	FPA-7	FPA-10	FPA-13
5–42 MHz	1.0	1.0	1.0	1.0
42–400 MHz	3.0	6.0	9.0	12.0
400–750 MHz	3.0	6.0	9.0	12.0
750–1002 MHz	3.8	6.5	10	13.0
1002-1218 MHz	3.8	6.5	10	13.0

Return Loss (dB)

Frequency	FPA-4	FPA-7	FPA-10	FPA-13
5–1002 MHz	16	16	16	16
1002-1218 MHz	12	12	12	12

EQ: CABLE EQUALIZER / PIM-EQ-xx dB

Insertion Loss (dB)

Frequency	EQ-3	EQ-5	EQ-6	EQ-8	EQ-10	EQ-11	EQ-13	EQ-15
5–42 MHz	3.0	4.5	6.0	7.5	9.5	11	13	14.5
42–400 MHz	2.5	3.0	4.0	5.0	5.5	6.5	7.0	7.5
400–750 MHz	1.0	1.0	1.0	1.0	1.5	2.0	2.0	2.0
750–1002 MHz	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0
1002-1218 MHz	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2

Return Loss (dB)

Frequency	EQ-3	EQ-5	EQ-6	EQ-8	EQ-10	EQ-11	EQ-13	EQ-15
5–1002 MHz	16	16	16	16	16	16	16	16
1002-1218 MHz	12	12	12	12	12	12	12	12

RPA: Return Path Attenuator / PIM-RPA-xx dB

Insertion Loss (dB)

Frequency	RPA-2	RPA-4	RPA-6	RPA-8	RPA-10
5–15 MHz	2.0	4.0	6.0	8.0	10.0
15–42 MHz	6.0	8.0	10.0	12.0	14.0
42–400 MHz	2.0	2.0	2.0	2.0	2.0
400–750 MHz	1.5	1.5	1.5	1.5	1.5
750–1002 MHz	1.0	1.0	1.0	1.0	1.0
1002- 1218 MHz	1.2	1.2	1.2	1.2	1.2

Return Loss (dB)

Frequency	RPA-2	RPA-4	RPA-6	RPA-8	RPA-10
5–1002 MHz	16	16	16	16	16
1002-1218 MHz	12	12	12	12	12

HPF: Highpass Filter / PIM-HP-xx dB

Insertion Loss (dB)

Frequency	HPF-54
5–42 MHz	45.0
42–400 MHz	3.0
400–750 MHz	2.5
750–1002 MHz	1.0
1002-1218 MHz	1.0

***54 MHz Filter Design Shown**

Return Loss (dB)

Frequency	HPF-54
5–1002 MHz	16
1002-1218 MHz	12

*Currently Unavailable in the United States