

SIGNAL CONDITIONING ACCESSORIES (SCA)

Cable Products, Mainline Passives, Conditioning Plugs for Taps

Features

- 5 – 1000 or 1218 MHz Bandwidth
- 12 Amp Current Capacity
- CB: Continuous Through Signal without Faceplate
- SCA: Plug In Signal Conditioning Accessory 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

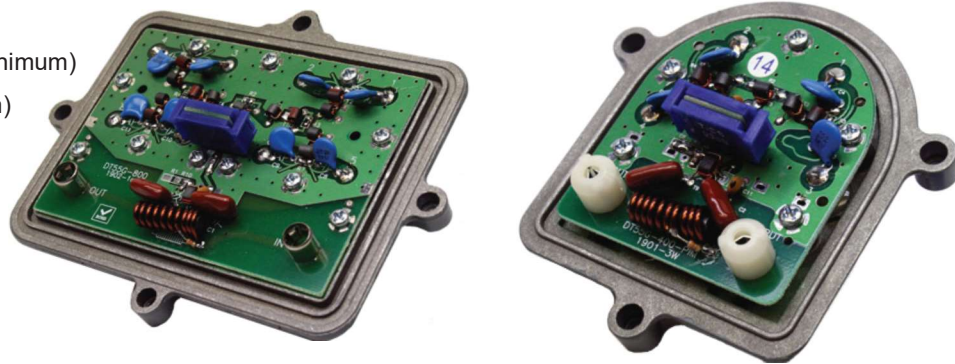
Flatness (5-1000 MHz or 1218 MHz) | ± 0.35 dB (minimum)

RFI (5-1000 MHz or 1218 MHz) | -100 dB (minimum)

Current | 12 Amps Continuous

Nominal Impedance | 75 Ohms

Ordering Information



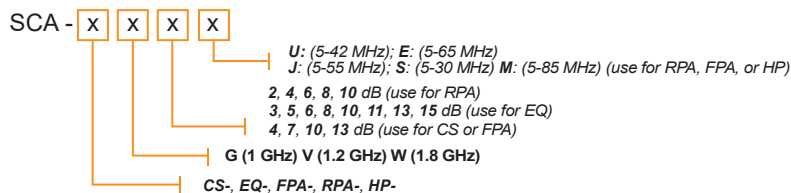
Conditioning Taps with SCA



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

**66, 88 series are 40 pcs

Signal Conditioning Accessories



Model Number	Std Qty	Inner Box	Description	Values (dB)
SCAx-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
SCAx-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
SCAx-RPA-xx-x	30 pcs	10 pcs	Return Path Attenuator - Similar to SCA-EQ, except is split dependent and provides less impact on the forward drop signal.	2, 4, 6, 8, 10
SCAx-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
SCAx-JP	30 pcs	10 pcs	Jumper - To ensure the continued signal transmission.	
SCAx-HP-xx	30 pcs	10 pcs	High Pass Plug In - Similar to SCA-RPA but attenuates the return path even more. Reduces system expense by not requiring a filter on every port.	Customizable

CS: Cable Simulator / SCAX-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	9.0
750-1002 MHz	3.8	6.5	10.0	12.5
1002-1218 MHz	4.5	8.0	12.0	16.0

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 / SCAX-FPA-xx-x 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	10.0	13.0
1002-1218 MHz	3.8	6.5	10.0	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 / SCAX-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	11.0	13.0	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 / SCAX-RPA-xx-x 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: High Pass Filter / SCAX-HP-xx dB

Insertion Loss (dB)

Frequency	HPF-54	
5-42 MHz	45.0	*54 MHz Filter Design Shown
42-400 MHz	3.0	
400-750 MHz	2.5	
750-1002 MHz	1.0	
1002-1218 MHz	1.0	

Return Loss (dB)

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