

SPLITTERS & COUPLERS [DS55G-x]

Cable Products, Mainline Splitters

Taikan

Features

- 5-1002 MHz bandwidth
- 15 Amp current capacity / 20 Amp current capacity for power inserter
- Aluminum alloy housing used for corrosion resistant
- Double polyurethane coating for greater weather protection
- Rubber gasket and RFI shielding gasket
- Printed circuit board
- Aerial or pedestal installation
- Rotational seizure mechanism for aerial or pedestal installation
- Compliant with SCTE guidelines

Ordering Information

DS55G-	X	2, 3, 3B, Splitter
DC55G-	X	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



Insertion Loss

	DS55G-2	DS55G-3B	DS55G-3		
Frequency					
5-42 MHz	3.9	6.1	4.0	7.4	dB
43-600 MHz	4.2	6.1	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

	DS55G-2	DS55G-3B	DS55G-3		
Frequency					
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

	DS55G-2	DS55G-3B	DS55G-3		
Frequency					
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

General Specifications

Power Passing:	15 Amp, 90 VAC for Splitter
Hum Modulation @10Amp:	-60 dB
Surge Withstand:	C62.41-1991 IEEE C6241 Category B3/6kV Combination Wave, 3000 Amp

Mainline Couplers**Insertion Loss**

	DC55G-8	DC55G-12	DC55G-16	DC55G-PI	
Frequency					
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	2.3	1.7	1.4	0.9	dB
801-1002 MHz	3.1	2.2	2.0	1.0	dB

Tap Value

	DC55G-8	DC55G-12	DC55G-16	DC55G-PI	
Frequency					
5-600 MHz	8 ± 1.2	12 ± 1.2	16 ± 1.2		dB
601-800 MHz	8 ± 1.3	12 ± 1.3	16 ± 1.3		dB
801-1002 MHz	8 ± 1.5	12 ± 1.5	16 ± 1.5		dB

Output - Tap Isolation

	DC55G-8	DC55G-12	DC55G-16	DC55G-PI	
Frequency					
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

	DC55G-8	DC55G-12	DC55G-16	DC55G-PI	
Frequency					
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

General Specifications

Power Passing:	15 Amp, 90 VAC for Directional Couplers
Power Passing:	20 Amp, 90 VAC for Power Inserter
Hum Modulation @10Amp:	-60 dB
Surge Withstand:	IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 Amp