

SPLITTERS & COUPLERS 1GHz [DC/DS33G-x]

Cable Products, Mainline Splitters & Couplers

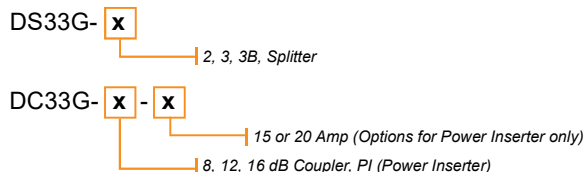
Taikan

Features

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



Ordering Information



Model Number	Standard Carton	Inner Box	Carton Weight	dB Values Available
DS33G-x	30 pcs	10 pcs	20 kgs / 44 lbs	2, 3, 3B Splitter
DC33G-x	30 pcs	10 pcs	20 kgs / 44 lbs	8, 12, 16 dB Coupler, -PI Power Inserter

Customization available upon request

General Specifications

Power Passing:	15 A, 60/90 VAC for Directional Splitters & Directional Couplers 20 A, 60/90 VAC for Power Inserter
Hum Modulation @10Amp:	-60 dB
Surge Withstand:	IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A
Waterproof Condition:	1kV 1.2/cm ² 60 sec
Surge Protection:	1kV 1.2/50 ms
Ingress Protection:	IPX8 Standard
CENELEC Standards:	Water Sealing Test, Salt Spray (Fog) Test, Drop Test, Air Leakage Test
Impedance:	75 Ohms
Connectors:	In/Out 5/8" -24 NEF female



Mainline Splitters

Insertion Loss (dB) Tolerance: ± 0.25

Frequency	DS33G-2	DS33G-3B
	15-40 MHz	4.2
40-470 MHz	4.5	7.5
470-1000 MHz	5.5	8.5

Output to Tap Isolation (dB)

Frequency	DS33G-2	DS33G-3B
	15-40 MHz	28
40-470 MHz	25	25
470-1000 MHz	23	23

Return Loss-Input/Output (dB) Tolerance: - 1.5

Frequency	
15-40 MHz	18
40-80 MHz	18=>16.5
80-160 MHz	16.5=>15
160-320 MHz	15=>13.5
320-640 MHz	13.5=>12
640-1000 MHz	12=>10

Screening Effectiveness (dB) Typ

Frequency	Typ
5-10 MHz	85
10-12 MHz	85
12-300 MHz	85
301-470 MHz	80
471-1000 MHz	75

Mainline Couplers

Insertion Loss (dB) Tolerance: ± 0.25

Frequency	DC33G-8	DC33G-12	DC33G-16	DC33G-PI
	15-40 MHz	1.9	1.3	1.1
40-470 MHz	2.6	1.9	1.5	0.6
470-1000 MHz	3.0	2.4	2.0	1.2

Tap Value (dB) Tolerance: ± 1.5

Frequency	DC33G-8	DC33G-12	DC33G-16	DC33G-PI
	15-1000 MHz	8	12	16

Output - Tap Isolation (dB)

Frequency	DC33G-8	DC33G-12	DC33G-16	DC33G-PI
	15-40 MHz	30	30	30
40-470 MHz	25	25	25	60
470-1000 MHz	25	25	25	60

Return Loss-Input/Output (dB) Tolerance: - 1.5

Frequency	
15-40 MHz	18
40-80 MHz	18=>16.5
80-160 MHz	16.5=>15
160-320 MHz	15=>13.5
320-640 MHz	13.5=>12
640-1000 MHz	12=>10

Screening Effectiveness (dB) Typ

Frequency	Typ
5-10 MHz	85
10-12 MHz	85
12-300 MHz	85
301-470 MHz	80
471-1000 MHz	75