

Four-Way Power Divider

10 - 2000 MHz

DS-409-4

V2.00

Features

- Broad Frequency Range
- Low Loss — Typically 1.0 dB

Guaranteed Specifications*

(From - 55°C to + 85°C)

Frequency Range	10-2000 MHz
Insertion Loss (Less coupling)	10-30 MHz 0.8 dB Max 30-100 MHz 0.6 dB Max 100-1000 MHz 1.25 dB Max 1000-2000 MHz 1.5 dB Max
Isolation	10-30 MHz 15 dB Min 30-100 MHz 20 dB Min 100-1000 MHz 25 dB Min 1000-2000 MHz 20 dB Min
Amplitude Balance	10-30 MHz 0.25 dB Max 30-100 MHz 0.25 dB Max 100-1000 MHz 0.5 dB Max 1000-2000 MHz 1.0 dB Max
Phase Balance	10-30 MHz 2.5° Max 30-100 MHz 2.5° Max 100-1000 MHz 5.0° Max 1000-2000 MHz 10.0° Max
VSWR (All Ports)	10-30 MHz 2.0:1 Max 30-100 MHz 1.5:1 Max 100-1000 MHz 1.5:1 Max 1000-2000 MHz 1.75:1 Max

Operating Characteristics

Impedance	50 Ohms Nominal
Maximum Power Rating or Input Power	5.0 Watts Max
Internal Load Dissipation	0.5 Watt Max

Environmental

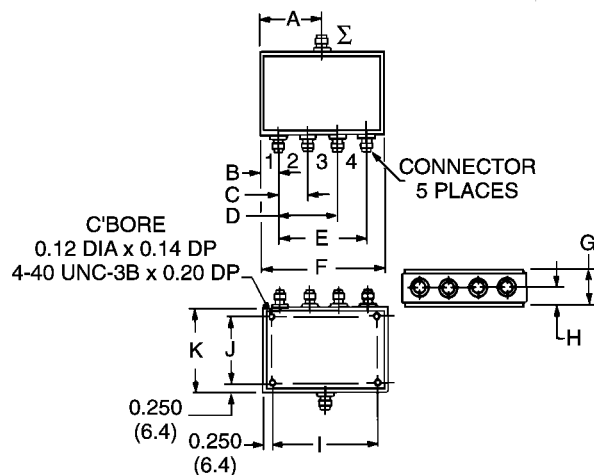
MIL-STD-202 screening available.

* All specifications apply with 50 ohm source and load impedance.

Ordering Information

Model No.	Package
DS-409-4 BNC	Connectorized
DS-409-4 SMA	Connectorized

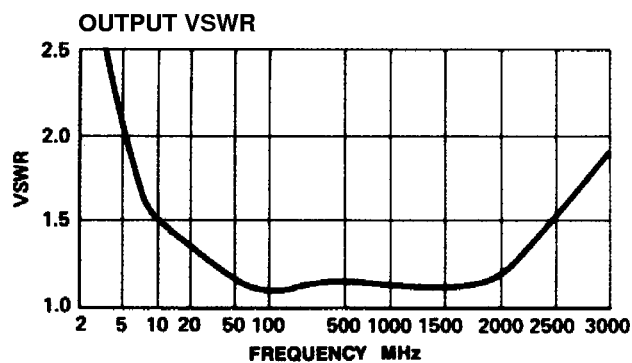
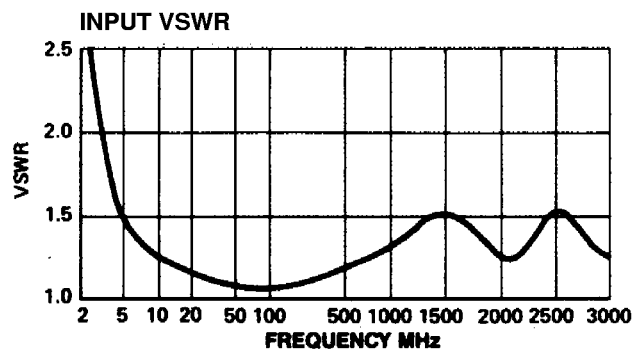
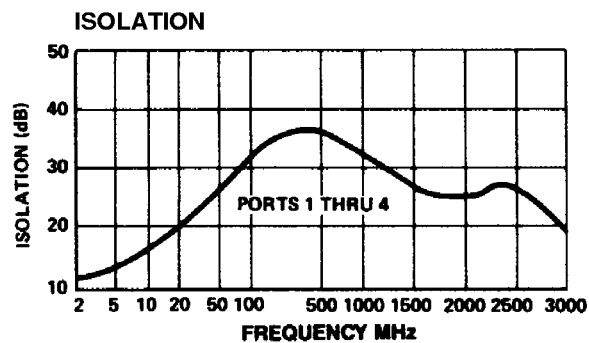
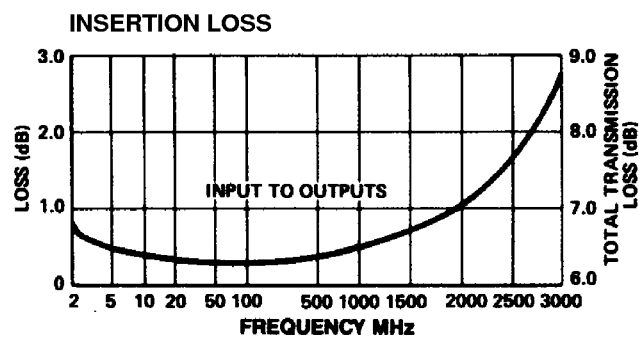
C-17



Dimensions in () are in mm.
Unless Otherwise Noted: .xxx ± 0.015 (.x ± 0.4)
Weight (Approx): 10.58 ounces 300 grams

	A	B	C	D	E	F	G	H	I	J	K
DS-409-4	1.625 (40.34)	0.593 (15.06)	0.688 (17.47)	1.376 (34.95)	2.064 (52.42)	3.250 (82.6)	0.770± 0.020 (19.6± 0.5)	0.375± 0.020 (9.5± 0.5)	2.750 (69.9)	1.000 (25.4)	1.500 (38.1)

Typical Performance



Specifications Subject to Change Without Notice.