

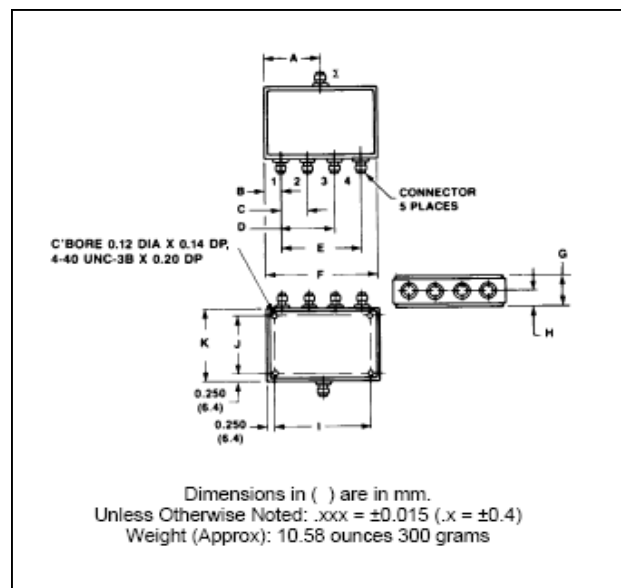
Four -Way Power Divider, 10 - 2000 MHz

Rev. V2

Features

- Broad Frequency Range
- Low Loss—Typically 1.0 dB

C-17



Guaranteed Specifications: From –55°C to +85°C

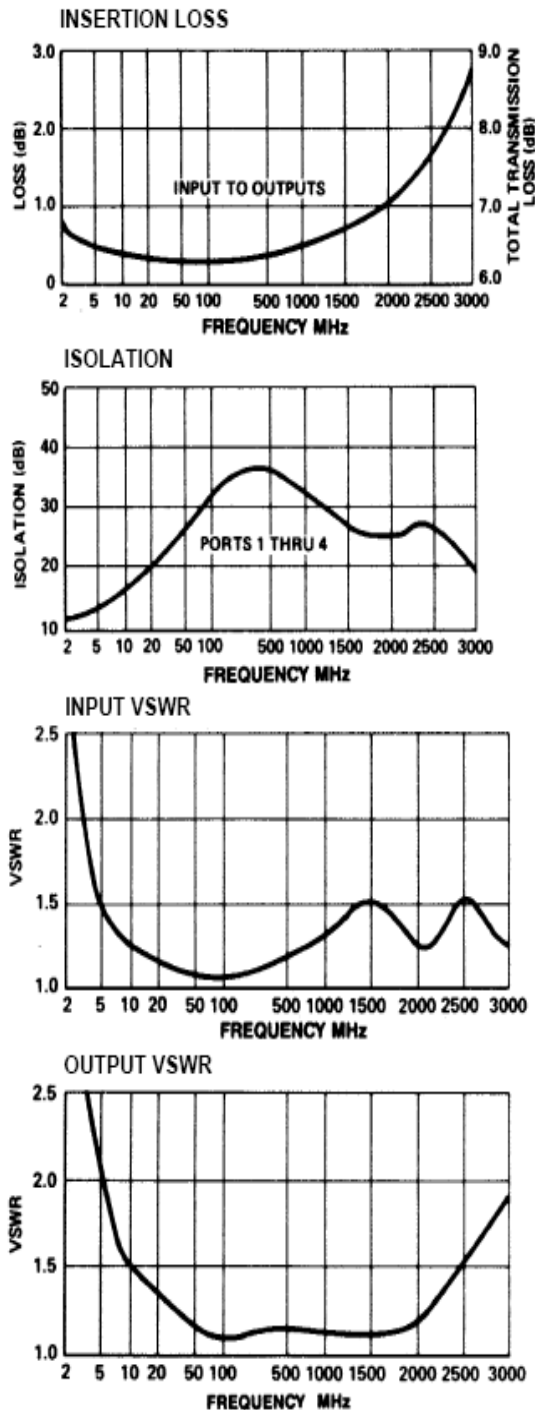
Frequency Range		10-2000 MHz
Insertion Loss (less coupling)	10-30 MHz 30-100 MHz 100-1000 MHz 1000-2000 MHz	0.8 dB Max 0.6 dB Max 1.25 dB Max 1.5 dB Max
Isolation	10-30 MHz 30-100 MHz 100-1000 MHz 1000-2000 MHz	15 dB Min 20 dB Min 25 dB Min 20 dB Min
Amplitude Balance	10-30 MHz 30-100 MHz 100-1000 MHz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

	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)	1.5000 (38.1)

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Typical Performance Curves



Ordering Information

Part Number	Package
DS-409-4 BNC	Connectorized
DS-409-4 SMA	Connectorized
DS-409-4 TNC	Connectorized
DS-409-4 N	Connectorized

Operating Characteristics

Parameter	Absolute Maximum
Impedance	50 Ohms Nominal
Maximum Power Rating or Input Power	5.0 Watt Max
Internal Load Dissipation	0.5 Watt Max
Environmental MIL-STD-202 screening available.	

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

ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed.

PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology Solutions has under development. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed.

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