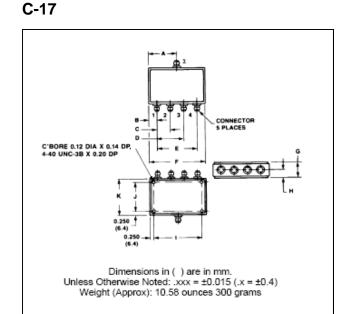


Broadband Four -Way Power Divider, 2 - 2000 MHz

Features

- 3 Decade Frequency Range •
- Low Loss—1 dB Maximum to 1000 MHz • High Isolation— 25 dB Midband Minimum



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

Frequency Range		2-2000 MHz
Insertion Loss (less coupling)	2-30 MHz 30-400 MHz 400-1000 MHz 1000-2000 MHz	0.75 dB Max 0.5 dB Max 1.0 dB Max 2.0 dB Max
Isolation	2-30 MHz 30-400 MHz 400-1000 MHz 1000-2000 MHz	15 dB Min 30 dB Min 24 dB Min 20 dB Min
Amplitude Balance	2-30 MHz 30-400 MHz 400-1000 MHz 1000-2000 MHz	0.6 dB Max 1.0 dB Max 1.0 dB Max 1.0 dB Max
Phase Balance	2-30 MHz 30-400 MHz 400-1000 MHz 1000-2000 MHz	15° Max 5° Max 5° Max 5° Max 5° Max
VSWR (All Ports)	2-30 MHz 30-400 MHz 400-1000 MHz 1000-2000 MHz	2.0:1 Max 1.3:1 Max 1.3:1 Max 1.9:1 Max

	Α	В	С	D	Е	F	G	н	I	J	К
DS-4-4	2.250 (57.2)	0.656 (16.7)	1.062 (27.0)	2.125 (54.0)	3.188 (8.10)	4.500 (114.3)	1.145± 0.020 (29.1±0.5)	0.562± 0.020 (14.3±0.5)	4.000 (101.6)	2.500 (63.5)	3.000 (76.1)

1

- 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
- North America Tel: 800.366.2266 Europe Tel: +353.21.244.6400 • India Tel: +91.80.4155721 • China Tel: +86.21.2407.1588

Visit www.macomtech.com for additional data sheets and product information.

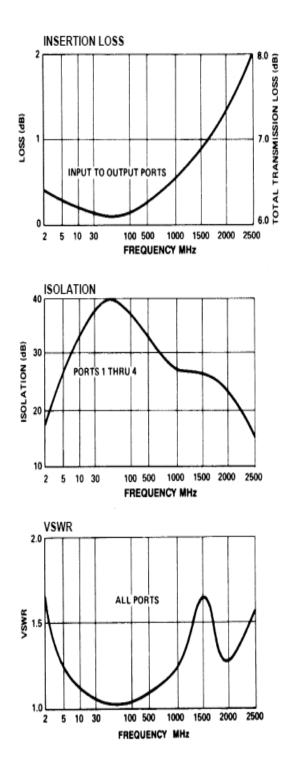
typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available. Commitment to produce in volume is not guaranteed.

M/A-COM Technology Solutions Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice.

Rev. V2



Typical Performance Curves



Ordering Information

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

Operating Characteristics

Parameter	Absolute Maximum
Impedance	50 Ohms Nominal
Maximum Power Rating or Input Power	1.0 Watt Max
Internal Load Dissipation	0.25 Watt Max
Enviornmental MIL-STD-202 screening available.	

* All specifications apply with 50 ohm source and load impedance. This product contains elements protected by United States Patent Number 3,325,587.

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

- North America Tel: 800.366.2266
 Europe Tel: +353.21.244.6400
 India Tel: +91.80.4155721
 China Tel: +86.21.2407.1588
- Visit www.macomtech.com for additional data sheets and product information.

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.

M/A-COM Technology Solutions Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice.

²