



4-WAY IN-PHASE DIVIDER/COMBINER

MODEL DC44

Guaranteed Specifications

Parameter	Range	Limits
Frequency	10 MHz to 2 GHz	Min
Insertion Loss	20 MHz to 1 GHz	1 dB Max
	10 MHz to 2 GHz	2 dB Max
Isolation	10 MHz to 1 GHz	25 dB Min
	1 GHz to 2 GHz	20 dB Min
Amplitude Balance	10 MHz to 1 GHz	.15 dB Max
	1 GHz to 2 GHz	1 dB Max
Phase Balance	10 MHz to 1 GHz	2° Max
	1 GHz to 2 GHz	6° Max
VSWR Input port	10 MHz to 40 MHz	1.7:1 Max
	40 MHz to 1 GHz	1.3:1 Max
	1 GHz to 2 GHz	2.0:1 Max
Output ports	10 MHz to 40 MHz	1.8:1 Max
	40 MHz to 2 GHz	1.4:1 Max
Impedance	50 Ohms	Nominal

Note: All specifications apply in a 50 Ohm system. 75 Ohm models are available.

Maximum Ratings

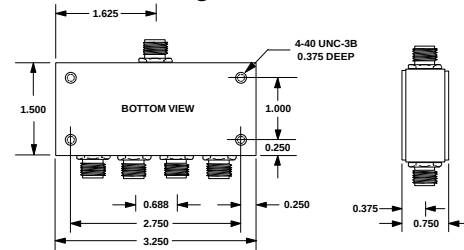
Input Power	5 Watt
Internal Dissipation	0.5 Watt
Temperature Range	-54°C to +85°C

Reliability

All units are designed and constructed to meet or exceed specifications after exposure to any or all of the following MIL-STD-202 tests which are applicable.

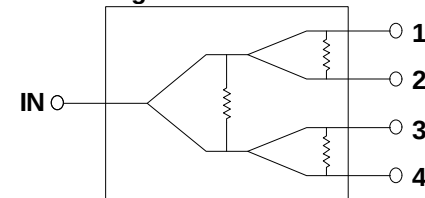
Test	Method	Condition
Temperature Cycle	107G	A
Thermal Cycle	107G	AA
Vibration	204D	A
Solderability	208F	
Terminal Strength	211A	A
Terminal Fatigue	211A	C
Mechanical Shock	213B	C

Outline Drawing

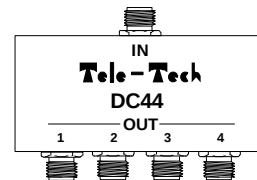


Weight (Approx.) 150 grams

Block Diagram



Connections



Ordering Information

DC44B BNC Connectors
DC44S SMA Connectors

All characteristics of Tele-Tech products may be modified to meet customer requirements.

P.O. Box 790, Bozeman, Montana 59717
Phone: (406) 586-0291 Fax: (406) 587-0653 E-mail: admin@tele-tech-rf.com