



4-WAY IN-PHASE DIVIDER/COMBINER

MODEL DF84

Guaranteed Specifications

Parameter	Range	Limits
Frequency	.3 MHz to 600 MHz	Min
Insertion Loss	.3 MHz to 300 MHz	.5 dB Max
	300 MHz to 600 MHz	1 dB Max
Isolation	.5 MHz to 50 MHz	35 dB Min
	.3 MHz to 300 MHz	30 dB Min
	300 MHz to 600 MHz	20 dB Min
Amplitude Balance	.3 MHz to 300 MHz	.1 dB Max
	300 MHz to 600 MHz	.3 dB Max
Phase Balance	.3 MHz to 300 MHz	1° Max
	300 MHz to 600 MHz	3° Max
VSWR	.7 MHz to 300 MHz	1.2:1 Max
	.3 MHz to 600 MHz	1.4:1 Max
Impedance	50 Ohms	Nominal

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

Maximum Ratings

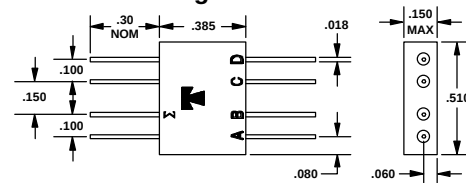
Input Power	1 Watt
Internal Dissipation	100 mW
Temperature Range	-54°C to +85°C

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.

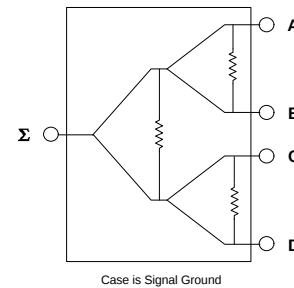
Test	Method	Condition
Temperature Cycle	107G	A
Thermal Cycle	107G	AA
Seal	112E	D
Vibration	204D	A
Solderability	208F	
Terminal Strength	211A	A
Terminal Fatigue	211A	C
Mechanical Shock	213B	C

Outline Drawing

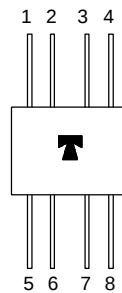


Weight (Approx.) 2.5 grams

Block Diagram



Connections



SUM PORT	2
PORT D	5
PORT C	6
PORT B	7
PORT A	8
GROUND	1,3,4

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

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