



8-WAY IN-PHASE DIVIDER/COMBINER

MODEL DS80

Guaranteed Specifications

Parameter	Range	Limits
Frequency	500 kHz to 200 MHz	Min
Insertion Loss	500 kHz to 200 MHz	1.5 dB Max
	1 MHz to 100 MHz	1.0 dB Max
Isolation	500 kHz to 200 MHz	25 dB Min
	1 MHz to 100 MHz	30 dB Min
Amplitude Balance	500 kHz to 200 MHz	.5 dB Max
	1 MHz to 100 MHz	.2 dB Max
Phase Balance	500 kHz to 200 MHz	5° Max
	1 MHz to 100 MHz	1° Max
Impedance	50 Ohms	Nominal

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

Maximum Ratings

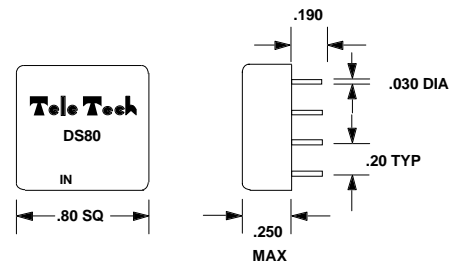
Input Power	1 Watt
Internal Dissipation	0.125 Watt
Temperature Range	-54°C to +85°C

Reliability

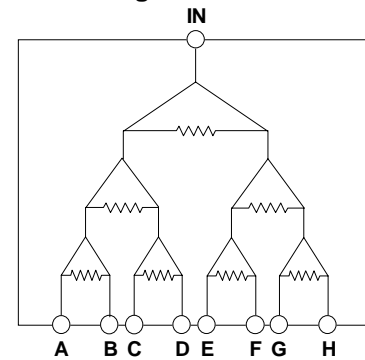
All units are designed and constructed to meet or exceed specifications after exposure to any or all of the following MIL-STD-202 tests which are applicable.

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

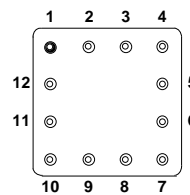
Outline Drawing



Block Diagram



Connections



Pin 1 is a different color.

IN	2
OUT A	4
OUT B	5
OUT C	6
OUT D	7
OUT H	10
OUT G	11
OUT F	12
OUT E	1
GROUND	3,8,9

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

P.O. Box 790, Bozeman, Montana 59771 406 586-0291 FAX 406 587-0653