



2-WAY IN-PHASE DIVIDER/COMBINER

MODEL DT41

Guaranteed Specifications

Parameter	Range	Limits
Frequency	.5 MHz to 100 MHz	Min
Insertion Loss	.5 MHz to 100 MHz	.5 dB Max
Isolation	.5 MHz to 100 MHz	20 dB Min
	2 MHz to 30 MHz	30 dB Min
Amplitude Balance	.5 MHz to 100 MHz	.1 dB Max
Phase Balance	.5 MHz to 100 MHz	1° Max
Impedance	50 Ohms	Nominal

Note: All specifications apply in a 50 Ohm system

Maximum Ratings

Input Power	1 Watt
Internal Dissipation	125 mW
Temperature Range	-54°C to +85°C

Reliability

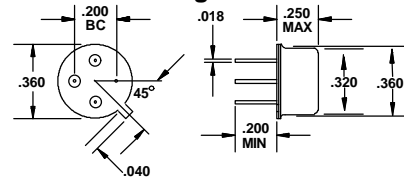
All units are designed and constructed to meet or exceed specifications after exposure to any or all of the following MIL-STD-202 tests which are applicable.

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

Features

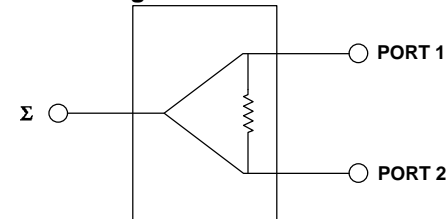
- ♦ High Performance
 - ♦ >30 dB Midband Isolation
 - ♦ Small Footprint

Outline Drawing



Center pin case ground

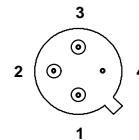
Block Diagram



Case is Signal Ground

Connections

SUM PORT	2
PORT 1	1
PORT 2	3
CASE GRND	4



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

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