



2-WAY IN-PHASE DIVIDER/COMBINER

MODEL DX27

Guaranteed Specifications

Parameter	Range	Limits
Frequency	550 MHz to 1200 MHz	Min
Insertion Loss	550 MHz to 1200 MHz	1 dB Max
Isolation	550 MHz to 1200 MHz	20 dB Min
Amplitude Balance	550 MHz to 1200 MHz	.4 dB Max
Phase Balance	550 MHz to 1200 MHz	3° Max
VSWR	550 MHz to 1200 MHz	1.3:1 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

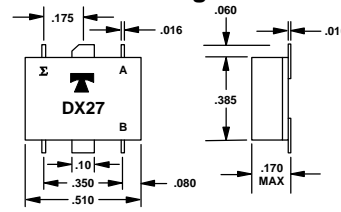
All units are designed and constructed to meet or exceed specifications after exposure to any or all of the following MIL-STD-202 tests which are applicable.

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

Features

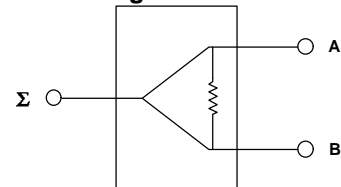
- ♦ Fully Hermetic Package
- ♦ Surface Mount
- ♦ Excellent Balance

Outline Drawing



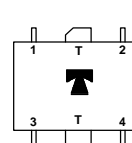
Weight (Approx.) 2 grams

Block Diagram



Case is Signal Ground

Connections



SUM PORT	1
PORT A	2
NO CONNECT	3
PORT B	4
GROUND TABS	T

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