



2-WAY IN-PHASE DIVIDER/COMBINER

MODEL DX06-20

Guaranteed Specifications

Parameter	Range	Limits
Frequency	243 MHz to 270 MHz	Min
Insertion Loss	243 MHz to 270 MHz	.5 dB Max
Isolation	243 MHz to 270 MHz	25 dB Min
Amplitude Balance	243 MHz to 270 MHz	.2 dB Max
Phase Balance	243 MHz to 270 MHz	1° Max
VSWR Input port	243 MHz to 270 MHz	1.25:1 Max
Output ports	243 MHz to 270 MHz	1.2:1 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

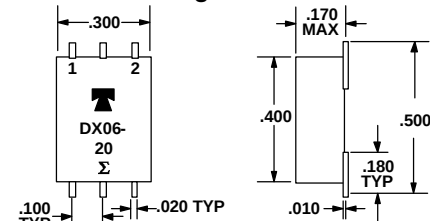
All units are designed and constructed to meet or exceed specifications after exposure to any or all of the following MIL-STD-202 tests which are applicable.

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

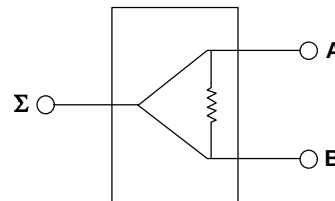
- ♦ Small Footprint (0.1 in²)
- ♦ <0.3 dB Midband Loss

Outline Drawing



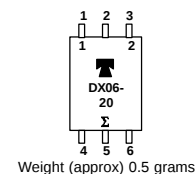
Weight (Approx.) 1.5 grams

Block Diagram



Case is Signal Ground

Connections



Weight (approx) 0.5 grams

SUM PORT	5
A PORT	3
B PORT	1
GROUND	2,4,6

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

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