



# 16-WAY IN-PHASE DIVIDER/COMBINER

## MODEL DC16

### Guaranteed Specifications

Model Number	Frequency MHz	Insertion Loss dB	Isolation dB	Amplitude Balance dB	Phase Balance Degrees	VSWR Max.
DC16A	750 to 850	1.5	20	±0.6	±5	1.2:1
DC16B	800 to 1000	1.5	18	±0.6	±5	1.2:1
DC16C	900 to 1100	1.5	16	±0.6	±5	1.2:1
DC16D	1000 to 1200	1.5	15	±0.6	±5	1.2:1

Note: All specifications apply in a 50 Ohm system. Loss does not include 12.00 dB Splitter Loss.

### Maximum Ratings

Input Power (Terminated)	10 Watt
Input Power (Unterminated)	200 mW
Temperature Range	-54°C to +85°C

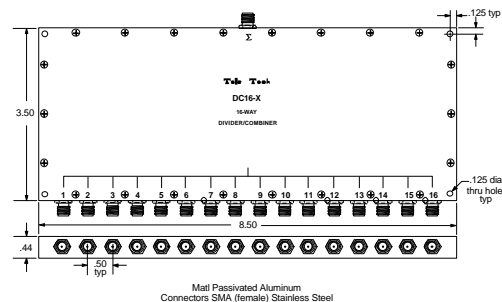
### Applications

These Dividers were designed for cell site applications where Tele-Tech's proprietary processes guarantee low loss, high isolation, and uniform part-to-part performance. In addition Tele-Tech's plating process insures years of high performance under the worst environmental conditions. These N way dividers are available for any combination of 2 and 3 way dividers in the frequency range of 500 MHz to 3 GHz with less than 25% bandwidth.

### 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
Mechanical Shock	213B	C



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

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