



90° HYBRID

MODEL HD46-27

90° QUADRATURE HYBRID

Guaranteed Specifications

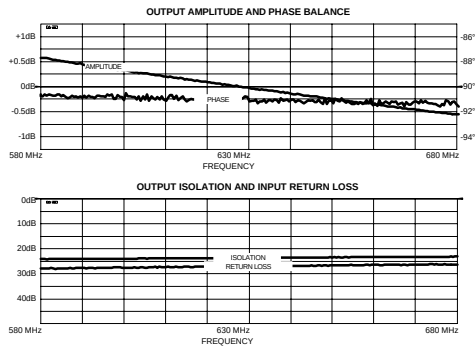
Parameter	Range	Limits
Frequency	630 MHz	Center
Bandwidth	580 MHz to 680 MHz	Min
Insertion Loss	580 MHz to 680 MHz	0.3 dB Max
Isolation	580 MHz to 680 MHz	20 dB Min
Phase Balance	580 MHz to 680 MHz	$\pm 2^\circ$ Max
Amplitude Balance	580 MHz to 680 MHz	± 1 dB Max
Center Frequency	630 MHz	± 25 dB Max

Note: All specifications apply in a 50 Ohm system driving Pin 1 with outputs at Pins 4 and 6, and with Pin 3 terminated in 50 Ohms.

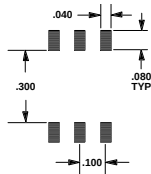
Maximum Ratings

Input Power	1 Watt
Temperature Range	0°C to +85°C

Typical Performance



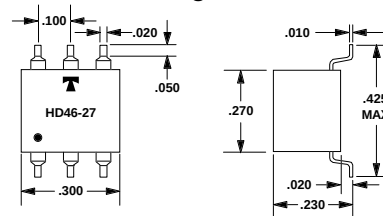
Footprint



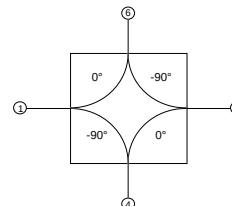
Features

- ◆ <0.25 dB Amplitude Balance
- ◆ 1° Phase Balance Typical
- ◆ Surface Mount
- ◆ Low Cost

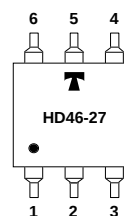
Outline Drawing



Block Diagram



Connections



INPUT	1
TERMINATE	3
-90 DEGREES	4
0 DEGREES	6
NC	2,5

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