



90° HYBRID

MODEL HS86Q

90° QUADRATURE HYBRID

Guaranteed Specifications

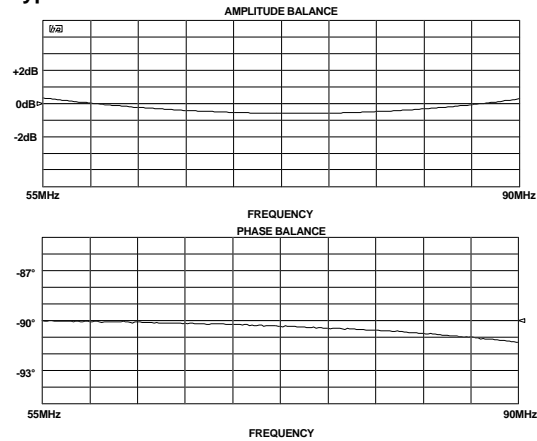
Parameter	Range	Limits
Frequency	55 MHz to 90 MHz	Min
Insertion Loss	55 MHz to 90 MHz	0.7 dB Max
Isolation	55 MHz to 90 MHz	20 dB Min
Phase Balance	55 MHz to 90 MHz	±3° Max
Amplitude Balance	55 MHz to 90 MHz	±1.2 dB Max

Note: All specifications apply in a 50 Ohm system driving Pin 1 with outputs at Pins 3 and 5, and with Pin 7 terminated in 50 Ohms. 75 Ohm models are available.

Maximum Ratings

Input Power	1 Watt
Temperature Range	-54°C to +85°C

Typical Performance



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.

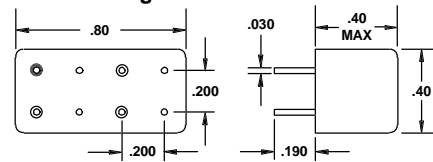
Test	Method	Condition
Temperature Cycle	107G	A
Thermal Cycle	107G	AA
Vibration	204D	A
Solderability	208F	
Terminal Strength	211A	A
Terminal Fatigue	211A	C
Mechanical Shock	213B	C

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

Features

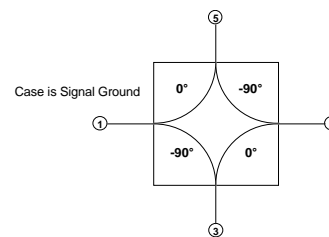
- ♦ MCL PSCQ-2-90 Equivalent
- ♦ Standard Relay Header
- ♦ Low Cost

Outline Drawing

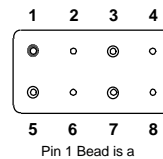


Pin 1 Location Marked on Top
Weight (Approx.) 5.2 grams

Block Diagram



Connections



INPUT	1
TERMINATE	7
0 DEGREES	5
-90 DEGREES	3
GROUND	2,4,6,8