

90° HYBRID

MODEL HS88Q

90° QUADRATURE HYBRID

Guaranteed Specifications

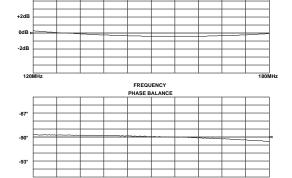
Parameter	Range	Limits			
Frequency	120 MHz to 180 MHz	Min			
Insertion Loss	120 MHz to 180 MHz	0.7 dB Max			
Isolation	120 MHz to 180 MHz	20 dB Min			
Phase Balance	120 MHz to 180 MHz	±3° Max			
Amplitude Balance	120 MHz to 180 MHz	±1.2 dB Max			

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. Note:

Maximum Ratings

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

Typical Performance



Reliability

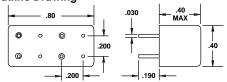
All units are designed and constructed to meet or exceed specifications after exposure to any or all of the following MIL-STD-002 total which or explicible.

202 tests which are applica	able.	
Test	Method	Condition
Temperature Cycle	107G	Α
Thermal Cycle	107G	AA
Vibration	204D	Α
Solderability	208F	
Terminal Strength	211A	Α
Terminal Fatigue	211A	С
Mechanical Shock	213B	C

Features

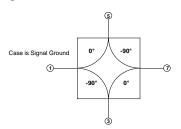
- MCL PSCQ-2-180 Equivalent
 - Standard Relay Header
 - **Low Cost**

Outline Drawing



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

Block Diagram



Connections

1	2	3	4	
0	0	0	•]	
0	٥	0	۰	
5	6	7	8	
Din 1 Dood in a				

Different Color

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

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