



90° HYBRID

MODEL HF87Q

90° QUADRATURE HYBRID

Guaranteed Specifications

Parameter	Range	Limits
Frequency	200 MHz to 400 MHz	Min
Insertion Loss	200 MHz to 400 MHz	0.5 dB Max
Isolation	200 MHz to 300 MHz	20 dB Min
	300 MHz to 400 mhz	18 dB Min
Phase Balance	200 MHz to 400 MHz	±4° Max
Amplitude Balance	200 MHz to 400 MHz	±1 dB Max
Coupling	200 MHz to 400 MHz	3 dB Typ
VSWR	Below 300 MHz	1.3:1 Max
	Above 300 MHz	1.5:1 Max

Note: All specifications apply in a 50 Ohm system.

Maximum Ratings

Input Power	1 Watt
Temperature Range	-20°C to +70°C

Reliability

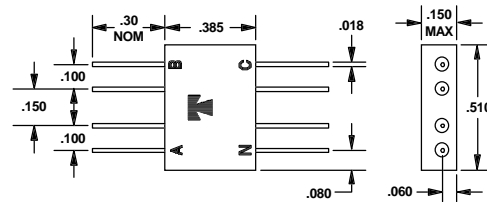
All units are designed and constructed to meet or exceed specifications after exposure to any or all of the following MIL-STD-202 tests which are applicable.

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

Features

- ◆ Anzac JH142 Equivalent

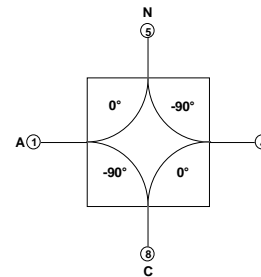
Outline Drawing



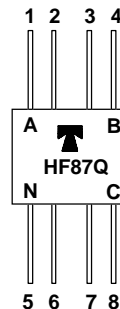
Weight (Approx.) 1.5 grams

Block Diagram

Case is Signal Ground



Connections



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

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