成都巨人微波
TITAN MICROWAVE INC.
- A Professional RF & Microwave Components Supplier -

90° Hybrid Coupler

TMHC90-02350255-50S 2.35-2.55 GHz, 50W, SMA Female

FEATURES

- Wide Band Operation 2.35-2.55 GHz
- Power Handle Capability up to 50W
- High Isolation Across Operational Band
- Low Insertion Loss
- Stable Performance Over Temperature

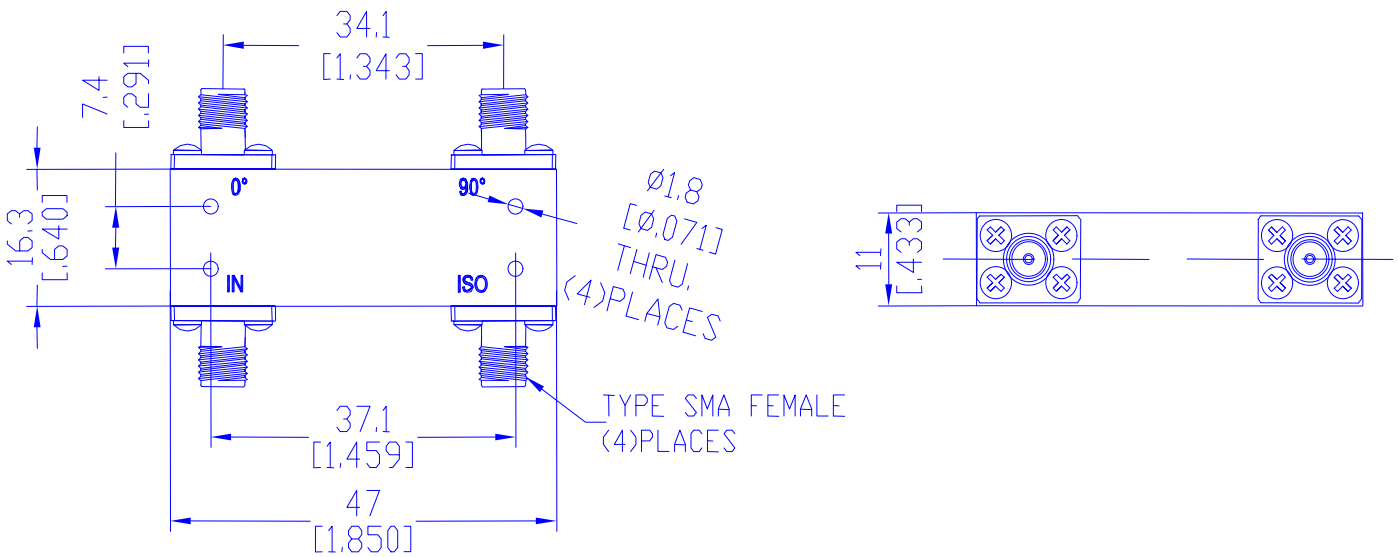
APPLICATIONS

- Commercial Wireless Communications
- Radar Systems
- Receivers Sytems
- Antenna Beam Forming
- Test Labs

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Units
Frequency Range	2.35	-	2.55	GHz
Impedance	-	50	-	Ohms
Nominal Split	-	3.01	-	dB
Insertion Loss	-	-	0.5	dB
Isolation	25	-	-	dB
Amplitude Balance	-	-	±0.4	dB
Phase Balance	-	-	±3	Deg
VSWR	-	-	1.2	:1
Average Power	-	-	50	W
Peak Power	-	-	1	kW
Operating Temperature	-40	-	+85	℃
Storage Temperature	-50	-	+105	℃
Input/Output Connectors	SMA female			
Weight	30g			
Surface Finishing	Black/Blue Paint			
Material	Aluminum			

Outline Drawing [mm[inch]]



Tolerances ±0.5[0.02]