# **Directional Coupler**

### TMDC-00505000-11420 0.5-50 GHz, 11dB, 20W, 2.4mm Female

#### **FEATURES**

- ❖ Wide Band Operation 0.5-50 GHz
- Power Handle Capability up to 20W
- 11 dB Typical Coupling
- ❖ Low Insertion Loss

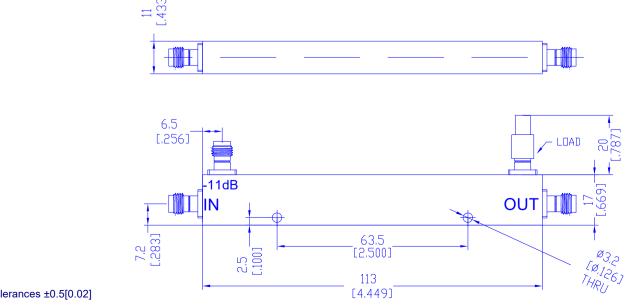
#### **APPLICATIONS**

- Frequency Measurements
- Signal Levelling, Signal Sampling
- Signal Injection
- Reflection Coefficient Measurements
- ❖ Measure incident and reflected power to determine VSWR

#### **SPECIFICATIONS**

Parameters	Min.	Тур.	Max.	Units
Frequency Range	0.5	-	50	GHz
Impedance	-	50	-	Ohms
Nominal Coupling	8.5	10	11.5	dB
Frequency Sensitivity	-	-	±2.0	dB
Directivity	8	-	-	dB
Insertion Loss(Excluding coupling loss 0.36dB)	-	-	3.8	dB
VSWR Primary	-	-	1.7	:1
VSWR Secondary	-	-	1.9	:1
Power Handling Incident	-	-	20	W
Reflected	-	-	1	W
Operating Temperature	-55	-	+85	°C
Input/Output Connectors	2.4mm-Female			
Connector Body	Passivated Stainless Steel			
Weight	80g			
Surface Finishing	Black/Blue Paint			
Material	Aluminum			

## Outline Drawing [mm[inch]]



Tolerances ±0.5[0.02]