

YSDDC1K-20M-1-50-G

Dual Directional Coupler, 1000 W, 0.02-1 GHz, 50 dB coupling, SC-Type

Key Features

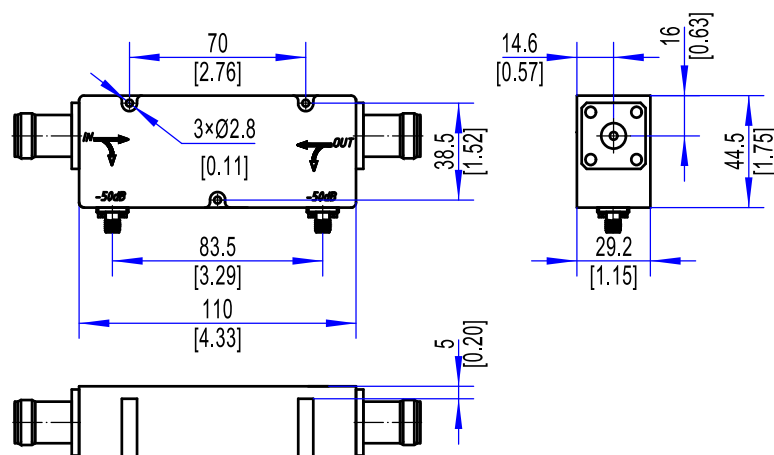
- Broadband 0.02-1 GHz operation
- High coupling accuracy: 50 dB \pm 1.5 dB
- Low insertion loss: \leq 0.3 dB
- High power handling: 1000 W (CW)
- Connector type: SC-Type Female

Applications

- RF power amplifier monitoring
- VSWR reflected power measurement
- Test & measurement setups
- Microwave system integration
- Lab & production testing

Electrical Specifications		
1	Frequency Range	0.02-1 GHz
2	Coupling	50 \pm 1.5 dB
3	Coupling Flatness	$\leq \pm$ 1.5 dB
4	Insertion Loss	\leq 0.3 dB
5	Main Line VSWR	\leq 1.2:1
6	Directivity	\geq 18 dB
7	Power	1000 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SC(Screw Coupling)-Type Female / SMA Female
2	Surface Finishing	Cavity: Silver-plated Cover: Natural conductive oxidation
3	Dimensions ¹	110×44.5×29.2 mm / [4.33×1.75×1.15 in]

Outline Drawing (Units: mm/[inch], Tolerance: \pm 0.3 mm)



Note 1: Excluding Connector size