

YSDC500-R7-3-40-N

Directional Coupler, 500 W, 698M-3 GHz, 40 dB coupling, N-Type

Key Features

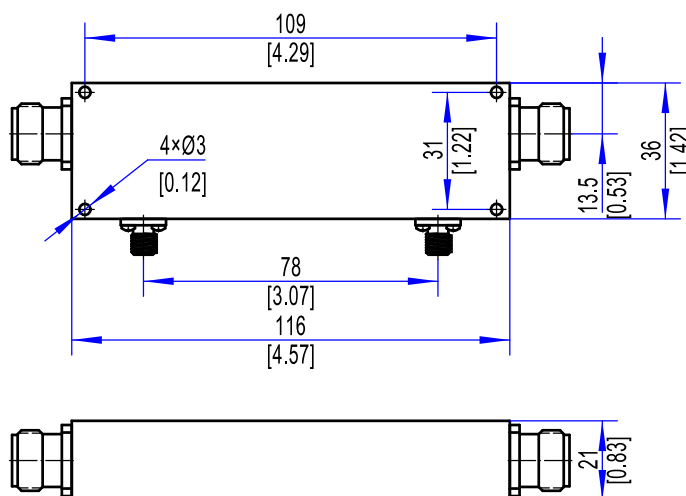
- 698M-3 GHz broadband operation
- High coupling factor (40 dB)
- Ultra-low insertion loss (≤ 0.3 dB)
- Excellent directivity (≥ 18 dB)
- High CW power handling (500 W)

Applications

- High-power RF signal monitoring
- Broadcast transmitter systems
- Industrial RF heating equipment
- Power amplifier test benches
- Base station and communication systems

Electrical Specifications		
1	Frequency Range	0.698-3 GHz
2	Coupling	40-41.5dB@698-960MHz 40-42dB@1800-2 200MHz 39-41dB@2300-2700MHz 39-42dB@698-3000MHz
3	Insertion Loss	≤ 0.3 dB
4	Main Line VSWR	$\leq 1.3:1$
5	Directivity	≥ 18 dB
7	Power	≤ 500 W
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	N-Type Female, SMA Female
2	Dimensions ¹	116×36×21 mm / [4.57×1.42×0.83 in]

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



Note 1: Excluding Connector size