

FSCI6466B-100-220

Coaxial Isolators, 100-220MHz

Features:

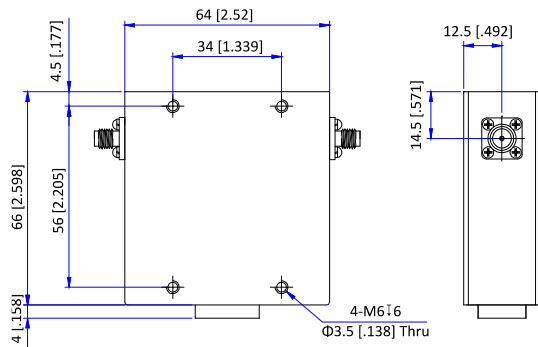
- Excellent Temperature Stability
- Compact Size
- High Reverse Power Handling
- RoHS Compliant

Applications:

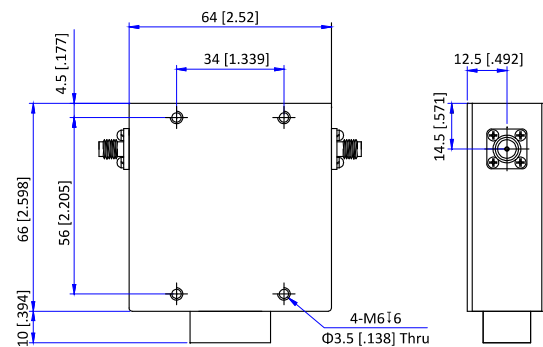
- RF Power Amplifiers and PA Protection
- Wireless Communications
- Satellite Communications
- 2G, 3G, 4G, 5G Communication systems

Electrical Specifications							
1	Nominal Impedance	50 Ω					
2	Frequency Bandwidth	Up to 20%					
3	Frequency Range ¹ (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	FWD Power (W Max.)		REV Power ² (W Max.)
					SMA	N	
4	100-105	0.8	18	1.30	150	300	20/100
5	105-115	0.8	18	1.30	150	300	20/100
6	130-150	0.6	20	1.25	150	300	20/100
7	140-160	0.6	20	1.25	150	300	20/100
8	140-148	0.5	23	1.20	150	300	20/100
9	145-155	0.5	20	1.25	150	300	20/100
10	148-174	0.5	20	1.25	150	300	20/100
11	150-170	0.5	20	1.25	150	300	20/100
12	160-190	0.7	18	1.30	150	300	20/100
13	170-174	0.45	23	1.20	150	300	20/100
14	170-200	0.7	18	1.30	150	300	20/100
15	180-220	0.65	18	1.30	150	300	20/100
Environmental Specifications							
1	Operating Temperature	SMA: -30°C ~ +75°C			N: -10°C ~ +60°C		
2	Extended Temperature	-45°C ~ +85°C, optional			-		
3	Storage Temperature	-50°C ~ +90°C					
Mechanical Specifications							
1	Connectors ³	SMA-Female; N-Female					
2	Cavity Material	Conductive Oxidized Aluminum					
3	Housing Material	Nickel-Plated Iron					
4	Conductor	Silver-Plated Brass					
5	Dimensions ⁴	64.0x66.0x25.0 mm [2.52x2.60x0.98 in]					
6	Weight	Approx. 356 g					

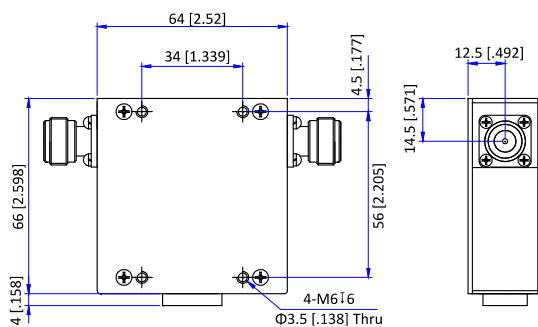
Outline Drawing (Units: mm [in]; Tolerance: ± 0.3 mm [± 0.01 in])



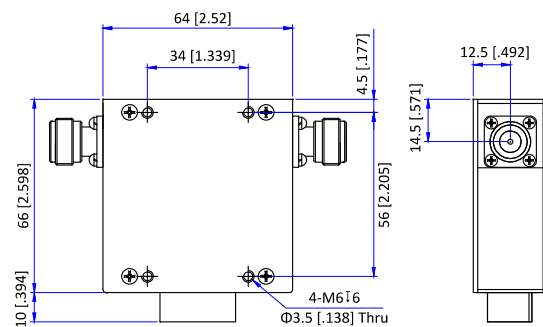
Outline A: SMA, 20W Reverse Power



Outline B: SMA, 100W Reverse Power



Outline C: N, 20W Reverse Power



Outline D: N, 100W Reverse Power

Ordering Information:

Model: FSCI6466B-FF-FF-RR-CC-[Options]

FF = Frequency Range in MHz

RR = Reverse Power Rating in W

CC = Connector Type (S=SMA; N=N-Type)

Options: E = Extended Temperature Range

Example: 100-105MHz, 100W Reverse Power, SMA → **FSCI6466B-100-105-100-S**

Notes:

1. Only part of the frequency range is listed. Other frequencies are available upon request.
2. Standard reverse power ratings are 20 W and 100 W. Full-reflection reverse power rating is available upon request.
3. Female connector is standard; male connector is available upon request.
4. Dimensions do not include connectors.