

Waveguide Circulator 12.4 ~ 18.0GHz

Application

- ▶ RF power amplifier protection.
- ▶ Digital, Satellite, Mobile Communication.
- ▶ Medical, Communication, Security.
- ▶ Military, Space and Commercial applications.

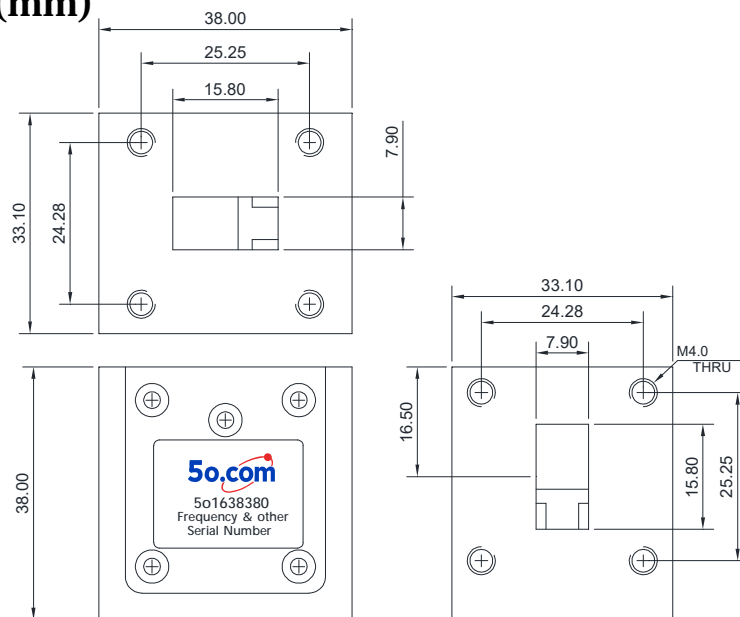
RF Characteristics

Part Number	Frequency Range (GHz)	Isolation Min(dB)	VSWR Max	Insertion Loss Max(dB)	Connector Type
5o16383801241375	12.4 ~ 13.75	20	1.2	0.35	WR62(BJ140)
5o16383801375145	13.75 ~ 14.5	23	1.2	0.3	WR62(BJ140)
5o1638380145155	14.5 ~ 15.5	23	1.2	0.3	WR62(BJ140)
5o16383801518	15.0 ~ 18.0	20	1.2	0.35	WR62(BJ140)
5o1638380155165	15.5 ~ 16.5	23	1.2	0.3	WR62(BJ140)
5o1638380165175	16.5 ~ 17.5	23	1.2	0.3	WR62(BJ140)

Basic Specifications

Dimension	38*38*33mm	Impedance	50Ω
Forward Power	100W	Operating Temperature	-40 ~ +85°C
Reverse Power	100W	Storage Temperature	-55~+125°C

Overall Dimension(mm)



Tolerances: ±2% unless otherwise stated.

Instructions

- ◆ The waveguide isolator shall be accurately mated with the matching waveguide flange.
- ◆ During installation, ensure the flange surface is clean and free of impurities (e.g., metal debris, dust). The flange connecting bolts shall be tightened evenly to prevent radio frequency (RF) leakage and excessive voltage standing wave ratio (VSWR) caused by poor sealing or uneven stress.
- ◆ Only some common frequencies in the table can be produced according to the user's requirements.
- ◆ It supports a one-year standard warranty.