

Features

- High power handle capability up to 200W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Low temperature coefficient ferrite material offer stable performance over temperature
- High peak to average handle capability
- All specifications can be modified upon request



Parameter	Min	Typ	Max	Units
Frequency Range		12-18		GHz
Insertion Loss		0.25	0.30	dB
Isolation (Note 1)	20	21		dB
VSWR		1.15	1.20	:1
Forward Power (CW)			200	W
Rotation	Counter			
Input / Output Interface	UBR140			
Finish	oxidation by color			
Case Material	Aluminum alloy			
Weight		3.53		ounces
Impedance		-		Ω

Note1 :

Units which have a narrower frequency bandwidth can achieve higher isolation & lower insertion loss

Bandwidth (5 ~10) % x Center Frequency (Isolation >25dB)

Bandwidth (20~30) % x Center Frequency (Isolation >23dB)

Bandwidth (40~60) % x Center Frequency (Isolation >21dB)

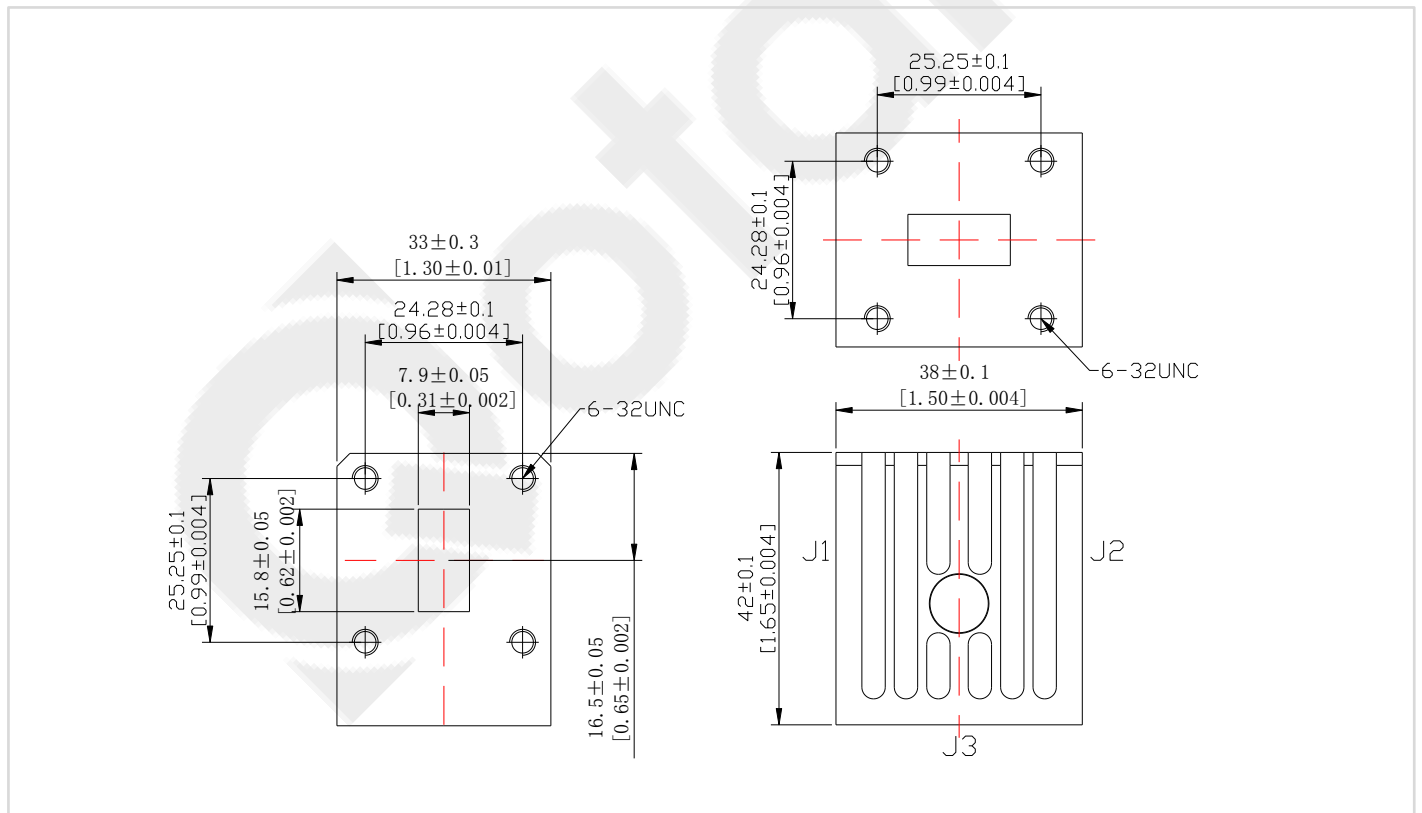
Ask manufacture for detail

Environmental Specifications

Operational Temperature	-25°C~+60°C
Storage Temperature	-45°C~+85°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions

Outline Drawing:

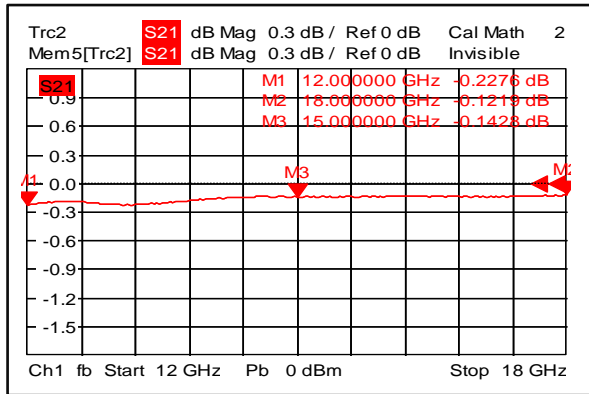
All Dimensions in mm (inches)



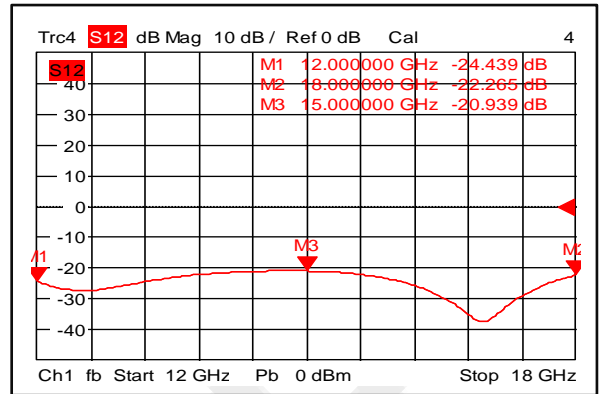
Note:

Due to the isolators and circulators belong to magnetic components, please far away from the magnetic matters by over 2 inches when you install or place.

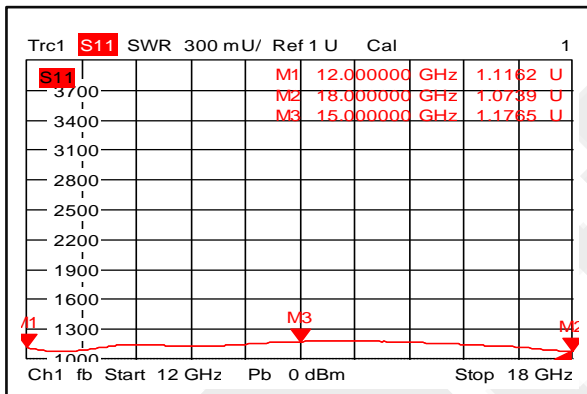
Insertion Loss



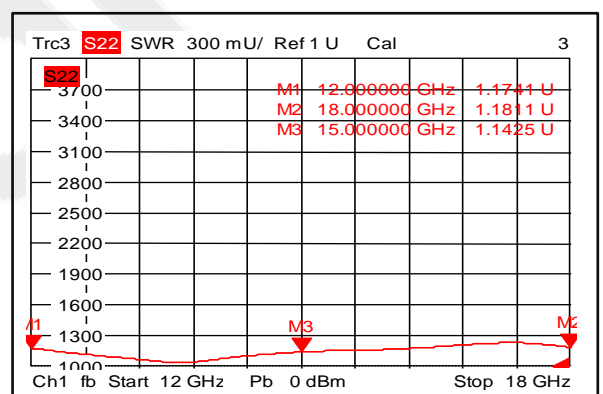
Isolation



VSWR 1



VSWR 2



QOTANA TECHNOLOGIES and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice. Visit www.qotana.com for additional data sheets and product information.