

## Features

- High power handling up to 30W
- Wide band operation
- High isolation within operational band
- Low Insertion Loss
- Stable performance over temperature
- All specifications can be modified upon request



Parameter	Min.	Typ.	Max.	Units
Frequency Range	1.145-1.195			GHz
Insertion Loss		0.50	0.60	dB
Isolation (Note 1)	50	52		dB
VSWR		1.10	1.15	:1
Forward Power (CW)			30	W
Reverse Power (CW)			1	W
Rotation	Clockwise (Standard) Counter Clockwise (upon request)			
Input / Output Connectors	SMA-Female			
Finish	Nickel Plated			
Case Material	Aluminum alloy			
Weight		3.88		ounces
Impedance		50		$\Omega$

### Note1 :

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

Bandwidth (5 ~10) % x Center Frequency (Isolation >53dB)

Bandwidth (20~30) % x Center Frequency (Isolation >52dB)

Bandwidth (40~60) % x Center Frequency (Isolation >51dB)

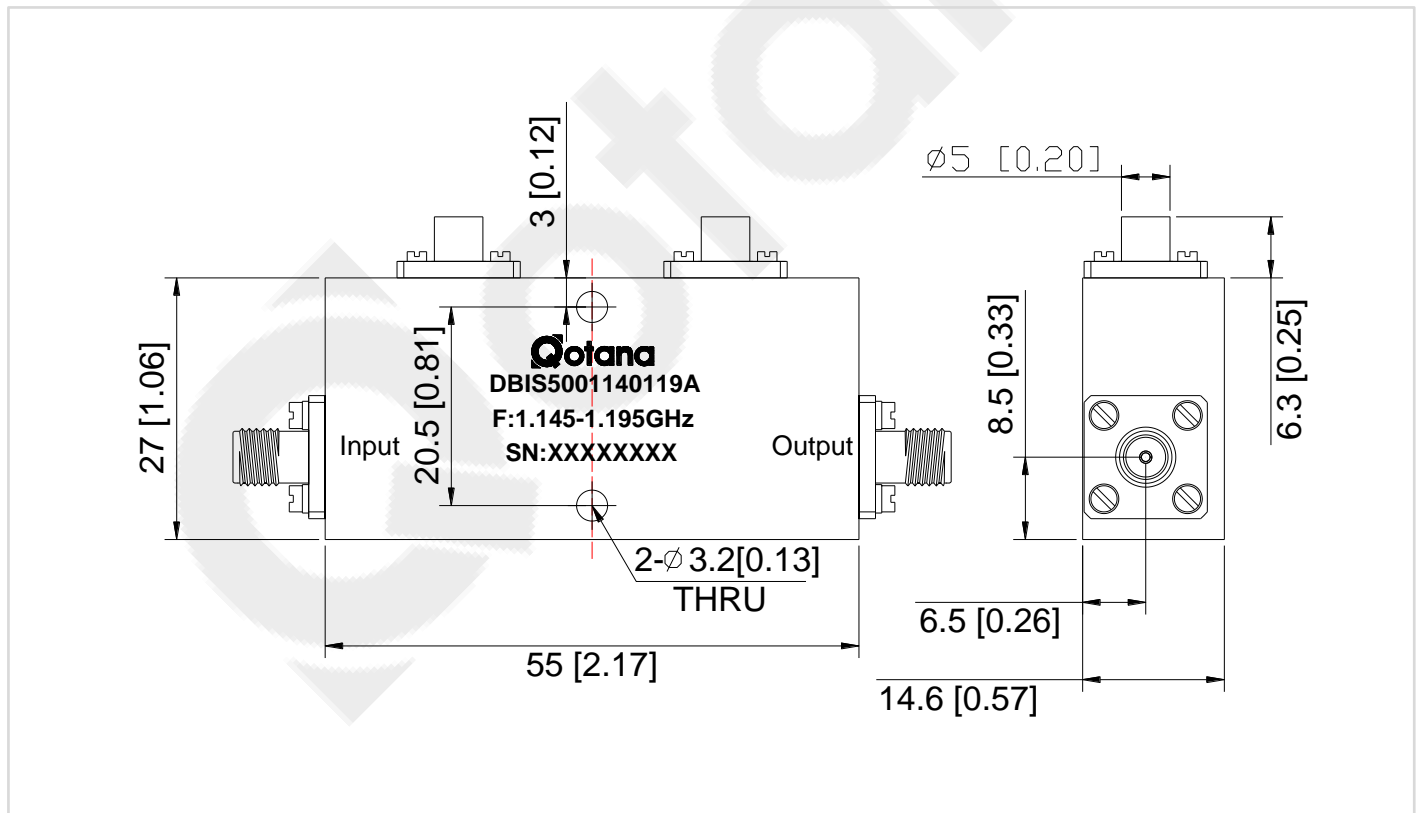
Ask manufacture for detail

**Environmental Specifications**

Operational Temperature	-40°C~+80°C
Storage Temperature	-55°C~+125°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 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions

**Outline Drawing:**

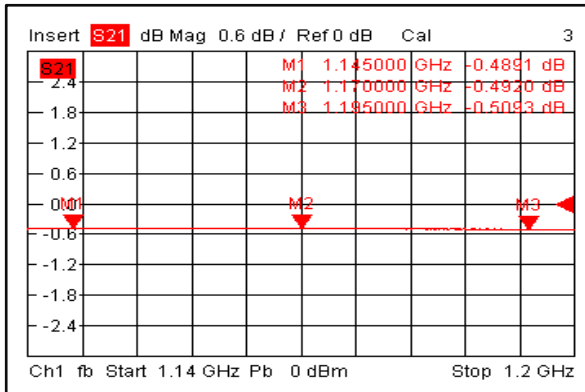
All Dimensions in mm (inches) Tolerance ±0.25(0.01)



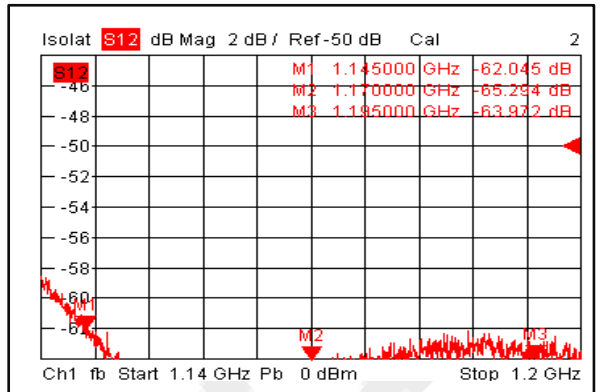
**Note:**

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.

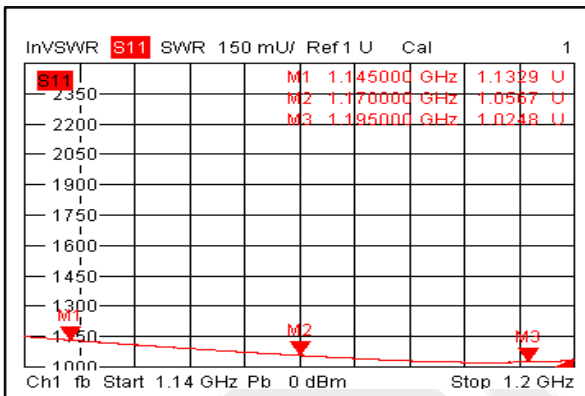
Insertion Loss



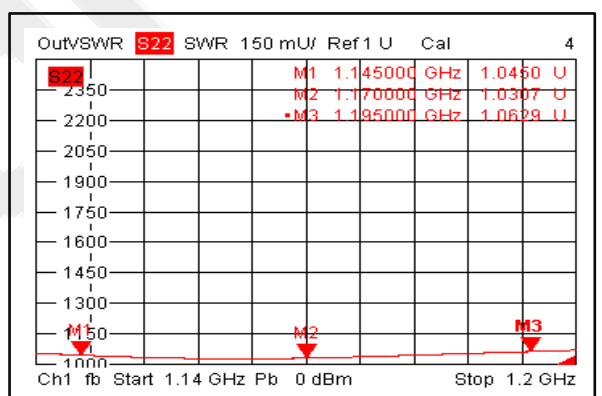
Isolation



VSWR 1



VSWR 2



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