

Features

- High power handling up to 20W
- 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	40-45			GHz
Insertion Loss		1.3	1.6	dB
Isolation (Note 1)	12	15		dB
VSWR		1.5	1.7	:1
Average Power (CW)			20	W
Rotation	Clockwise			
Input /Output Connector	2.4mm-Female			
Finishing	Nickel Plated			
Case Material	Aluminum alloy			
Weight		Max		ounces
Impedance	50			Ω

Note :

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

Bandwidth (5 ~10) % x Center Frequency (Isolation >18dB)

Bandwidth (20~30) % x Center Frequency (Isolation >16dB)

Bandwidth (40~60) % x Center Frequency (Isolation >15dB)

Ask manufacture for detail

Environmental Specifications

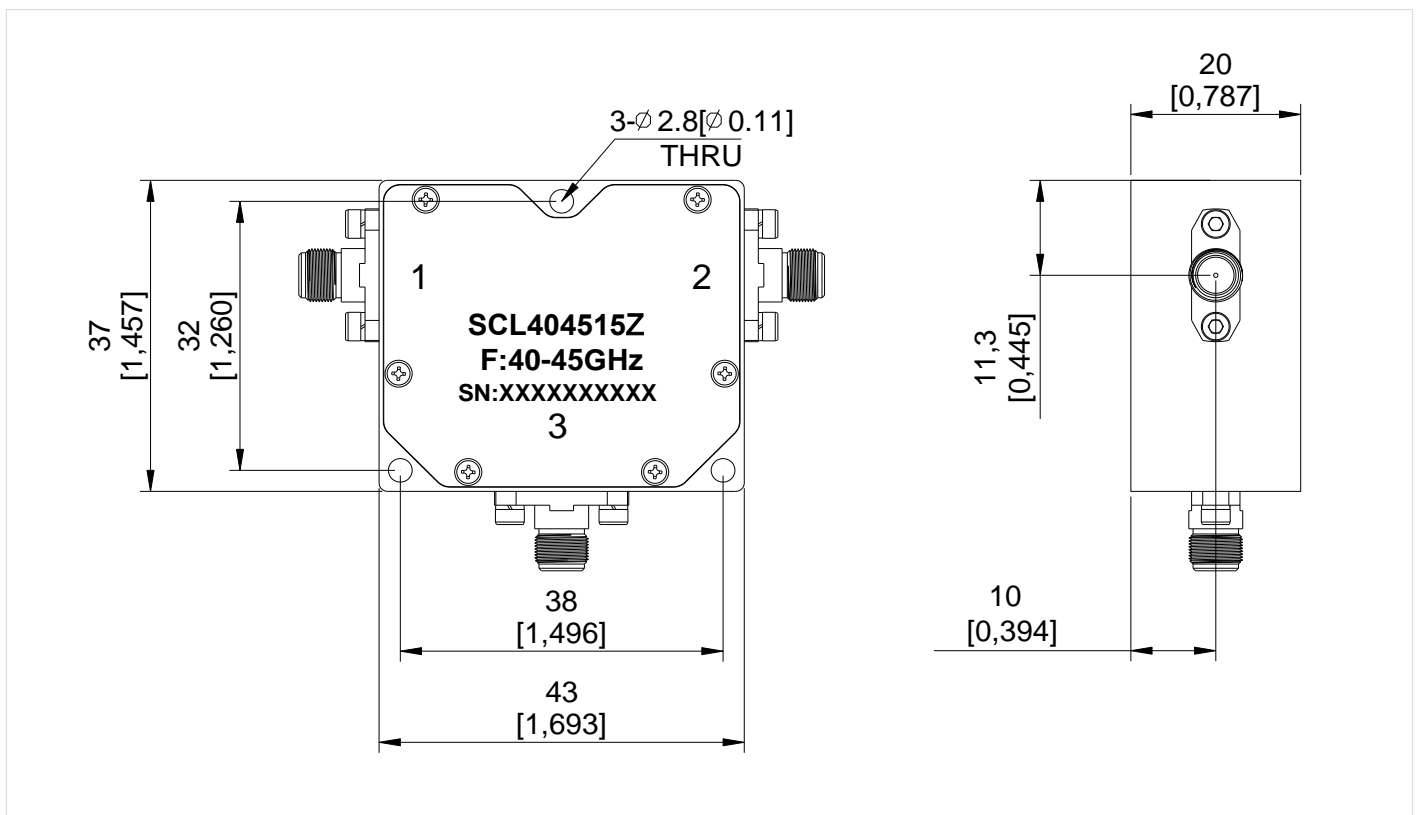
Operational Temperature	-20°C~+70°C
Storage Temperature	-45°C~+85°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40°c
Shock	20G for 11msec half sine wave,3 axis both directions

Outline Drawing:

All Dimensions in mm(inches)

Outline Tolerances ±0.5(0.02)

Mounting Holes Tolerances ±0.2(0.008)



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.