



LTC007 20 – 400 MHz Limiter With DC Block

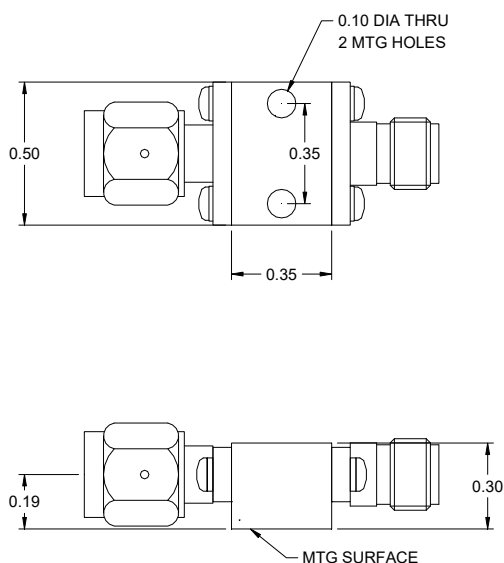
FEATURES

- ❖ Low Insertion Loss
- ❖ Low VSWR
- ❖ Mounting Hole Option
- ❖ Customer Design Available



SPECIFICATIONS

20 – 400 GHz Limiter With DC Block	
Model Number	LTC007
Frequency Range	20 – 400 MHz
Insertion Loss	0.18 dB Typ., 0.25 dB Max.
Input VSWR	1.15:1 Typ., 1.25:1 Max.
Output VSWR	1.15:1 Typ., 1.25:1 Max.
Peak Input Power	100 W Max.
CW Input Power	2 W Max.
Peak Flat Leakage	18 dBm Typ., 22 dBm Max.
CW Flat Leakage	15 dBm Typ., 18 dBm Max.
Impedance	50Ω Nom.
Connector Type	SMA Male (Input), SMA Female (Output)



Design to meet the following environmental specifications (verification optional)

1. Operating Temp: -55°C to +85°C
2. Storage Temp: -65°C to +125°C
3. Shock: MIL-STD-202F, M213, Cond B
4. Altitude: MIL-STD-202F, M105, Cond B
5. Vibration: MIL-STD-202F, M204, Cond B
6. Thermal Shock: MIL-STD-202F, M107, Cond A
7. Temp. Cycle: MIL-STD-202F, M105C, Cond D
8. Humidity: MIL-STD-202F, M103, Cond B (Non-standard, optional with Hysol epoxy seal)

Standard Finishing: Rugged aluminum housing, optional finishing with blue epoxy paint per MIL-C-22750 available on request.

Note:

1. Male/female combination available on request
2. Part number for different connector combination is as follow
Add "M" suffix for male to male
Add "MF" suffix for male to female
Performance may change a little bit.
3. Other connector type available on request
4. Flat leakage test is at 2 GHz with 1 W input power.
5. Power handling is linearly derated from full power at 25 °C to zero at +125 °C with excellent heat sink