



# WAVEGUIDE HIGH POWER LIMITER MLT160170H100K

## FEATURES

- High Power Handling
- Low Limiting Threshold
- Low Leakage Level
- Miniature Sizes

## APPLICATIONS

- Front End Protection for LNA's
- Power Leveling (Limiting)
- Receiver Protection
- Radar&EW system



## ELECTRICAL SPECIFICATIONS@25°C:

| Parameter           | Min | Typical | Max | Units |
|---------------------|-----|---------|-----|-------|
| Frequency Range     | 16  |         | 17  | GHz   |
| Peak Power handling |     |         | 10  | KW    |
| Pulse Width         |     |         | 1   | Us    |
| duty Cycle          |     |         | 0.1 | %     |
| insertion Loss      |     |         | 1   | dB    |
| Flatness Leakage    |     |         | 75  | mW    |
| Spike Leakage       |     |         | 2   | Watt  |
| VSWR Input/Output   |     |         | 1.6 | Ratio |
| recovery Time       |     |         | 8   | Us    |

Note:Type:TR.

## ENVIRONMENTAL RATINGS:

| Parameter                         | Min   | Typical | Max   | Units |
|-----------------------------------|-------|---------|-------|-------|
| Operating temperature             | -40   |         | +75   | °C    |
| Non-operating Temperature         | -55   |         | 125   | °C    |
| Relative humidity(non-condensing) | -95   |         | 98    | %     |
| Altitude (MIL-STD_810F)           | 10000 |         | 30000 | feet  |
| Shock/Vibration(MIL-Std_810F)     |       | Airbone |       |       |
| Pressurization                    | 30    |         |       | Psig  |

## MECHANICAL SPECIFICATIONS:

| Parameter            | Value        | Limits | Units      |
|----------------------|--------------|--------|------------|
| Dimensions           | 38.5*33*20.5 | Max    | Millimeter |
| Weight               | 300          | Max    | gram       |
| RF Connectors Input  | BJ-140       |        |            |
| RF Connectors output | BJ-140       |        |            |



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## OUTLINE DRAWING(mm):

