



WIDE BAND LOW NOISE AMPLIFIER

MLB0206G4026

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes, Field Removable connector
- Compact/Rugged Thin-Film Construction



APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics

ELECTRICAL SPECIFICATIONS@25°C:

| Parameter | Min | Typical | Max | Units |
|------------------------------|-----|---------|-------|-------|
| Frequency Range | 2 | | 6 | GHz |
| Small Signal Gain | 40 | | | dB |
| Small Signal Gain Flatness | | | ±1.5 | dB |
| Noise Figure | | | 2.6 | dB |
| Output Power 1dB compression | 15 | | | dBm |
| IP3 | | | | dBm |
| VSWR Input/output | | | 1.8:1 | Ratio |
| DC Power Supply | | 12 | | Volt |
| Current | | 150 | | mA |

ENVIRONMENTAL RATINGS:

| Parameter | Min | Typical | Max | Units |
|------------------------------------|-------|---------|-------|-------|
| Max Input power | | | +20 | dBm |
| Operating Temperature | -40 | | +85 | °C |
| Non-operating Temperature | -55 | | +125 | °C |
| Relative humidity (non-condensing) | | 95 | | % |
| Altitude (MIL-STD-810F) | 10000 | | 30000 | feet |
| Shock / Vibration (MIL-STD-810F) | | Airbone | | |

MECHANICAL SPECIFICATIONS:

| Parameter | Value | Limits | Units |
|----------------------|---------------|--------|------------|
| Dimensions | 46.9*16.8*8.1 | Max | Millimeter |
| Weight | 50 | Max | gram |
| RF Connectors Input | SMA-F | | |
| RF Connectors output | SMA-F | | |
| Impedance | 50 | | ohms |

Note:miniature size,drop-in ,SMT and customized specification is also available

OUTLINE DRAWING(mm):

