

Low Noise Amplifier DM-LNKU-45-102

Electrical Specifications (+25°C)

| PARAMETER | UNITS |
|---------------------|----------------------------|
| Frequency | 14.4 to 14.9 GHz |
| Small Signal Gain | 45 dB min |
| Flatness | ±1.0 dB max |
| Noise Figure | 1.4 dB max |
| P1dB | +10 dBm min |
| IP3 | +20 dBm nom |
| VSWR (input/output) | 1.4:1 nom |
| DC Power | +12 to +15 VDC, 190 mA nom |
| Max Input Power | +13 dBm CW |

Mechanical Specifications

| PARAMETER | UNITS |
|---------------------|----------------------------------|
| Size (L x W x H) | 1.5"5 x 0.71" x 0.41" |
| Connectors (In/Out) | SMA female |
| Housing Material | Aluminum |
| Sealing | Hermetic |
| Cooling | External heatsink (not included) |
| Outline | 001-0024 |

Features

Internal Voltage Regulator

Environmental Specifications (by design)

| PARAMETER | UNITS |
|-----------------------|--|
| Operating Temperature | -40 to +85°C |
| Storage Temperature | -54 to +85°C |
| Relative Humidity | IAW MIL-STD-810F, up to 95% |
| Altitude | up to 30,000 ft |
| Shock | IAW MIL-STD-202G method 214, condition C |

Classification

ECCN: EAR99

Test Data

Gain, Flatness, Noise Figure, P1dB, VSWR, DC Power at +25°C