# HD35280
# Low Noise Amplifier Module

**FEATURES**

Class A linear design
Coax Solid State Amplifier
Designed for K-Ka broadband linear applications
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness




**ELECTRICAL SPECIFICATIONS** : 50Ω, 25°C

| Parameter | Specification | Notes |
|---|---|---|
| Operating Frequency Range | 18 - 40 GHz | |
| Power Output @ P1dB | 10 dBm Min | CW |
| Linear Gain | 20 dB Typ | |
| Gain Flatness | ±2.5 dB Max | |
| Input / Output VSWR | 2 : 1 Typ / 2.5 : 1 Max | |
| Noise Figure | 5 dB Max | |
| DC Bias Voltage | +15 VDC Typ | |
| DC Current | 240 mA Typ | |
| Input Power Protection | +10 dBm Max | Without damage |
| Load VSWR Protection | 5 : 1 Max | <1 minute at rated Pout |

**ENVIRONMENTAL CHARACTERISTICS**

| Parameter | Specification | Notes |
|---|---|---|
| Operating Case Temperature | -40 to +85 °C | |
| Storage Temperature | -40 to +85 °C | |
| Relative Humidity | up to 95 % | Non-condensing |
| Altitude | 3000 meters | |
| Shock & Vibration | Normal transport[1] | |

1 MIL Spec available for quotation.

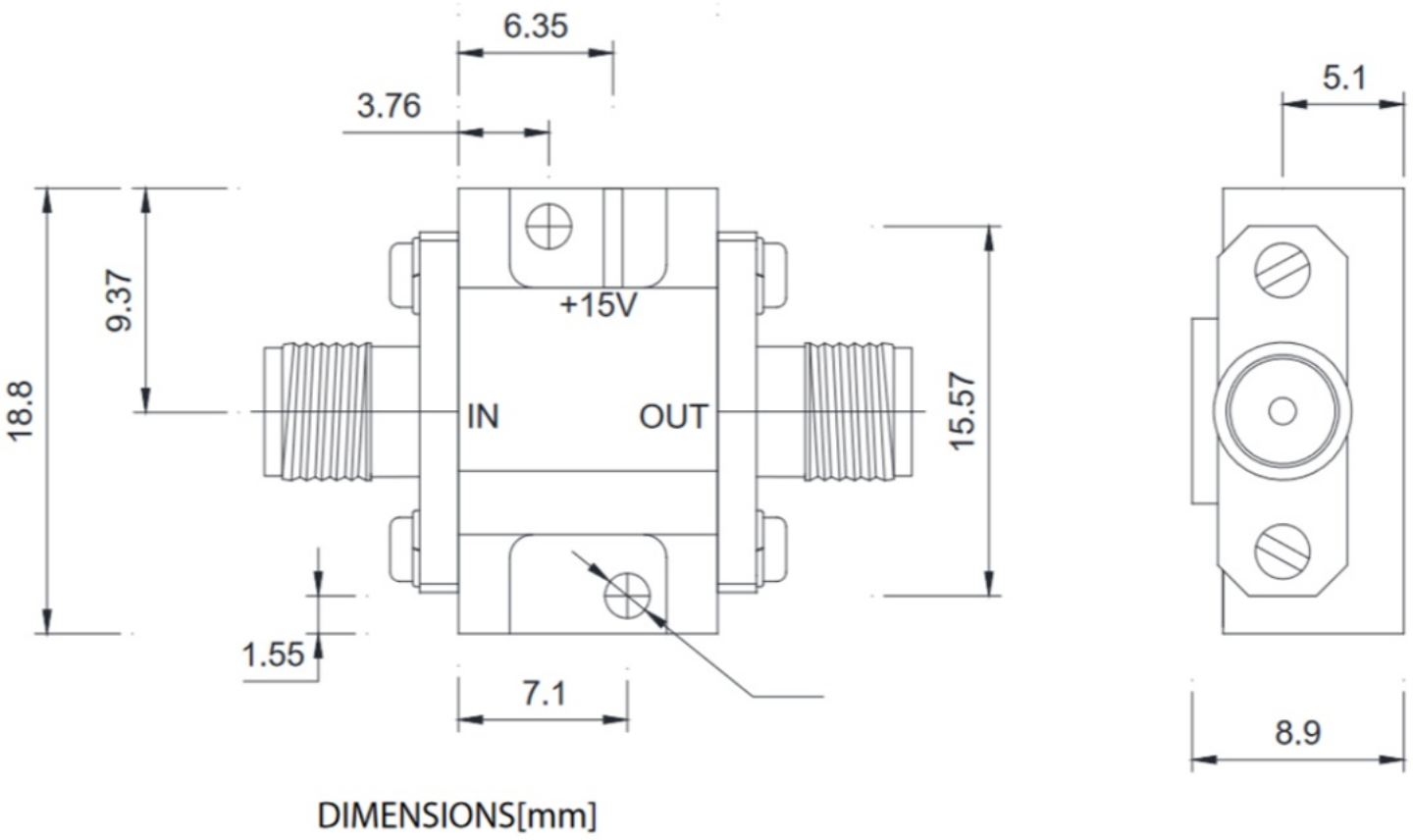
**MECHANICAL SPECIFICATIONS**

| Parameter | Specification | Notes |
|---|---|---|
| Dimensions | 14.95 x 18.8 x 8.9 mm | Excluding connectors |
| Weight | 500 gr. Nom. | |
| RF Connectors In/Out | 2.92 mm / K-Female | |
| DC Power / Interface Connector | DC connection terminals | |
| Cooling | External Heatsink | Forced air required |

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Specifications subject to change without notice. Specifications and drawings may vary with selected options.

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## OUTLINE DRAWING




DIMENSIONS[mm]

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