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| HA5002 |
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General Description

The HA5002 is a X-Band amplifier.

The high gain and moderate output power makes this device an ideal choice for a driver amplifier in the frequency range from 9.0GHz to 10.0GHz.

The device operates from -40°C to $+85^{\circ}\text{C}$.

Electrical Performance

Typical Data @25 °C

| Parameter | Min | Typ | Max | Units |
|-------------------------------|--------------|-----------|-----------|-------|
| Frequency Range | 9.0 | | 10.0 | GHz |
| Gain | 23.0 | 25.0 | | dB |
| Gain Flatness | | ± 0.5 | ± 0.7 | dB |
| Power Output@P _{1dB} | | 10.0 | | dBm |
| Input VSWR | | 1.8:1 | 2.0:1 | |
| Output VSWR | | 1.8:1 | 2.0:1 | |
| Temperature Range | -40 | | +85 | °C |
| DC Voltage | 10.0 | 12.0 | 14.0 | V |
| DC Current | | 110.0 | | mA |
| Package | M101 | | | |
| Size | 55 x 32 x 11 | | | mm |

Rev. 1.0