I&Q NETWORK - IQF-20E-70 SQ

TECHNICAL FEATURE

FEATURES

- · Space Qualified
- · High Accuracy
- · Hi-Rel Flatpack

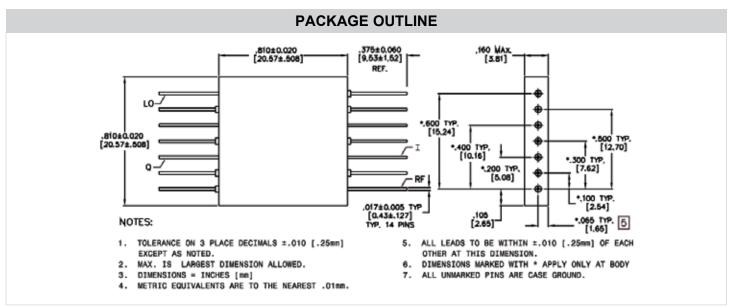


PERFORMANCE

| LO/RF Bandwidth | 70 MHz |
|-----------------------|------------------------|
| RF Frequency | 70 ± 7 MHz |
| Phase Balance | 90° ± 2° |
| Amplitude Balance | 0.2 dB |
| Conversion Loss | 10 dB typ., 12 dB max. |
| VSWR RF/LO | 1.3:1 typ., 1.5:1 max. |
| LO Power Level | +10 - 13 |
| RF Power Level | 0 dB max. |
| Video Bandwidth | DC - 10 MHz |
| Input Intercept | +14 dBm min. |
| Impedance | 50 Ohm nom. |
| Operating Temperature | 55° to +85° C |
| | |

DESCRIPTION

I&Q Networks are integrated devices that produce two quadrature-phased equal amplitude signals when fed RF and LO signals. In the IQF Series, specially optimized circuits are used to provide superior performance across very wide bandwidths and high data rates. This unit has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".



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