

Mixers Double Balanced

Applications

- Wideband Down Converters
- Wideband Up Converters
- Balanced Modulators
- Bi-Phase Modulators
- Phase Detectors



Features

- Extremely Wide IF Bandwidth
- Good LO/RF Isolation
- Multi-Octave Performance
- Good Intercept Point
- Miniature Size
- Connectors Per MIL-C-39012

Electrical Specifications

| Frequency GHz | Isolation LO-RF dB Min/Typ | Convers. Loss dB Max/Typ | VSWR, RF Typ : 1 |
|------------------------------|------------------------------------|-----------------------------|---------------------|
| 1.5 - 5.0 | 18/28 | 8.5/7.0 | 3.5 |
| IF Freq. ¹ MHz | RF Power ² Input dBm | LO Power dBm Nominal | |
| DC-1500 | +4 | +12 | |

Notes: Impedance: 50 ohms nominal. Meets MIL-E-5400 Class 3 requirements. Additional screening available for military and space applications. 1) Upper IF frequency is the -3 dB response point. 2) At 1dB Compression point **Electrical and Mechanical Specifications subject to change without notice.**

Outline Drawing

