

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
4.5 - 12.0	15/23	9.0/8.0	4.5
IF Freq. ¹ MHz	RF Power ² Input dBm	LO Power dBm Nominal	
DC-4000	+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

