

**FACT SHEET**  
**Mixers**

**DESCRIPTION**

( ) DOWNCONVERTER, ( ) UPCONVERTER, ( ) MIXER PREAMP, ( ) IMAGE REJECT MIXER  
( ) SINGLE SIDEBAND MODULATOR, ( ) QUADRATURE IF MIXER

**Electrical**

LO Frequency Range: \_\_\_\_\_ to \_\_\_\_\_ ( ) GHz, ( ) MHz

LO Drive Level: \_\_\_\_\_ to \_\_\_\_\_ dBm

RF Frequency Range: \_\_\_\_\_ to \_\_\_\_\_ ( ) GHz, ( ) MHz

IF Frequency Range: \_\_\_\_\_ to \_\_\_\_\_ ( ) GHz, ( ) MHz

Conversion Loss: \_\_\_\_\_ dB Max. \_\_\_\_\_ dB Typ.

SSB Noise Figure (Mixer/Preamp): \_\_\_\_\_ dB Max. \_\_\_\_\_ dB Typ.

Isolation: LO - RF: \_\_\_\_\_ dB Max. \_\_\_\_\_ dB Typ.

LO - IF: \_\_\_\_\_ dB Max. \_\_\_\_\_ dB Typ.

RF - IF: \_\_\_\_\_ dB Max. \_\_\_\_\_ dB Typ.

VSWR: LO : \_\_\_\_\_ ( ) Max., ( ) Typ. RF : \_\_\_\_\_ ( ) Max. ( ) Typ.

IF: \_\_\_\_\_ ( ) Max., ( ) Typ.

Input 1 dB Compression Point: \_\_\_\_\_ dBm

Input Two Tone Third Order Intercept Point: \_\_\_\_\_ dBm

Image / Sideband Rejection (IRM, SSBM, QUIFM): \_\_\_\_\_ dBm

RF - IF gain (Mixer / Preamp): \_\_\_\_\_ dB

Gain Flatness (Mixer / Preamp): \_\_\_\_\_ dB

Output 1 dB Compression Point (Mixer / Preamp): \_\_\_\_\_ dBm

IF Input Level (Upconverters. SSBM, QIFM): \_\_\_\_\_ dBm

DC Supply Voltage (Mixer / Preamp): \_\_\_\_\_ Vdc

Other: \_\_\_\_\_

**MECHANICAL**

Connectors: LO: SMA ( ) Female ( ) Male, or Solder Pin, Pin Dia.: \_\_\_\_\_

RF: SMA ( ) Female ( ) Male, or Solder Pin, Pin Dia.: \_\_\_\_\_

IF: SMA ( ) Female ( ) Male, or Solder Pin, Pin Dia.: \_\_\_\_\_

Package: ( ) TO8, ( ) Flatpack, Size: \_\_\_\_\_

**ENVIRONMENTAL**

Operating Temperature: \_\_\_\_\_ to \_\_\_\_\_ °C

( ) Military ( ) Airborne ( ) Shipboard ( ) Ground ( ) Laboratory

( ) Commercial

Screening: ( ) Table 8 of 883 ( ) Modest ( ) None

**NAME:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**COMPANY:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**FAX:** \_\_\_\_\_

**QTY. Req.:** \_\_\_\_\_

**Program:** \_\_\_\_\_