Converters
SatCom Downconverter, C-Band
Model: MFC140

Features
- Ideal for Mil-Satcom Applications
- Very Low Phase Noise
- Good Amplitude & Phase Response
- High Output Compression and IP3
- Summary Alarm
- 20 dB Gain Control, RS485

### Key Parameter Requirement

**Bandwidth**
- Input: 3.6 to 4.2 GHz
- Output: 0.95 to 1.55 GHz

**Gain**
- Manual Gain Control: Set gain to 25 dB

**Phase Noise (dBc/Hz)**
- 10 Hz: -75 dBc
- 100 Hz: -95 dBc
- 1 K: -105 dBc
- 10 K: -107 dBc
- 100 K: -107 dBc
- 1 M: -153 dBc

**Noise Figure**
- 14 dB

### Drawings

- Typical Phase Noise Graph
- MFC140 Model Diagram