KRATOS GENERAL MICROWAVE is a world leader in the design and production of custom complex Integrated Microwave Assemblies (IMA). Frequency up and down converters are part of the IMA product line.

**Main Features**

- Wide Band Frequency Range
- High Image Rejection
- Low N.F.
- Tight Flatness
- IF Threshold Detector
- Airborne

**Applications**

KRATOS General Microwave provides various types of Up and Down Frequency Converters. Frequency Converters are customized products designed to meet specific system requirements. The Frequency Converters supplied by KRATOS General Microwave are being used mainly in Electronic Warfare (EW), Signal Intelligence (SIGINT) systems and Missile Seekers.

KRATOS General Microwave also provides the Block Up Converter (BUC) assemblies and the Low Noise Block Converter (LNB) subassembly for SATCOM applications, such as In-flight Connectivity.
Typical Frequency Down Converter

**PARAMETER** | **SPECIFICATION**
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1. Input Frequency Range (GHz) | 2 to 18
2. IF Output (GHz) | 2 to 6
3. Noise Figure (dB) max. | 11
4. VSWR | 2.0:1
5. LO Input Power (dBm) | -2
6. In-Band Harmonics (dB) typical | 15
7. In-Band Spurious (dB) typical | 15
8. IF Linear Dynamic Range (dB) typical | 55
9. Input Power (dBm) min. | -67
10. Power Supply (V) | ±8.5
11. Protection | Over Voltage, Reverse Polarity, Surge Protection
12. RF Connectors | SMA Female
13. Control Connector | Micro-D
14. Dimensions (mm) approximately | 130x87x23
15. Environmental Requirements | Fighter Aircraft