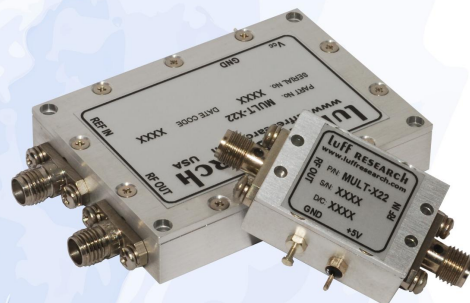
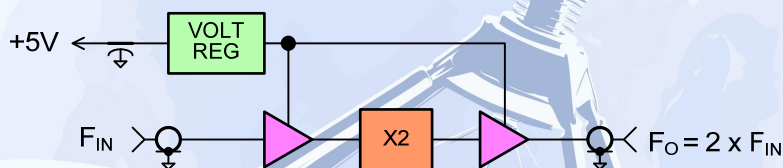


● **Model MX-21, MX-22 & MX-23 Features**

- Connectorized package
- Broadband performance 10 - 32 GHz
- Output Power +13 dBm min
- Harmonics & Sub-Harmonics -20 dBc (typical)
- Single +5.0 Vdc (150 mA)
- Low cost



● **Block Diagram**



● **Description**

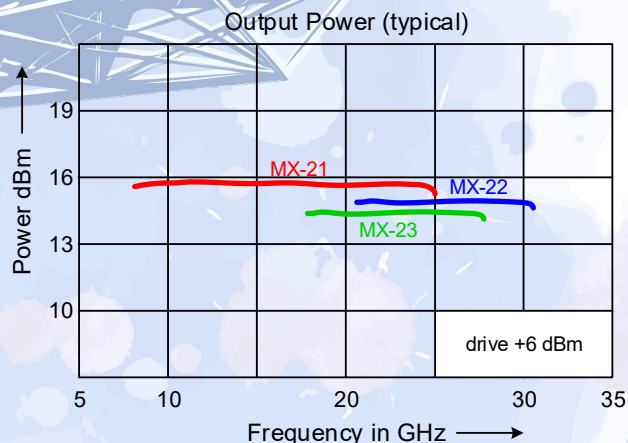
Luff Research's new active x2 frequency multipliers are connectorized, rugged assemblies that operate on a single power supply and are system ready at Luff components.

These units are designed for industrial and commercial communications equipment making

possible Ku-band and K-band operation at very low cost. The x2 multipliers can be used as standalone components for various applications in microwave frequency generation or in conjunction with a Luff synthesizer or oscillator to realize a high performance system ready frequency source at prices that are very attractive.

● **Key Specifications**

Function	MX-21	MX-22
Frequency Input:	4 - 13 GHz	11.5 - 16 GHz
Power Input:	4 - 8 dBm	4 - 8 dBm
Frequency Output:	8 - 26 GHz	22 - 32 GHz
Power Output:	+13 dBm (min)	+13 dBm (nom.)
Harmonics & Sub-Harmonics:	-20 dBc (typ.)	-20 dBc (typ.)
DC Power:	+5.5 Vdc ±0.5 V	+5.5 Vdc ±0.5 V
Connectors In/Out:	SMA/SMA (27 GHz)	SMA/2.92mm
Temperature Range:	-20°C to +70°C	-20°C to +70°C
Size:	2.25" x 1.65" x 0.42"	1.10" x 0.80" x 0.42"



**LUFF RESEARCH**

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