



MBS Series

Multi-Octave Band Coverage

PRODUCT FEATURES

- Multi-band synthesizer ideal for broadband applications
- Low power consumption (< 1 Watt)

GENERAL CHARACTERISTICS

- Frequency: 20 MHz - 6 GHz
- Bandwidth: Up to 4 octaves
- Supply Voltage: +5, +8, or +12 VDC
- Package: 3.5" x 2.5" x 0.6"
(88.9 x 63.5 x 15.2)mm

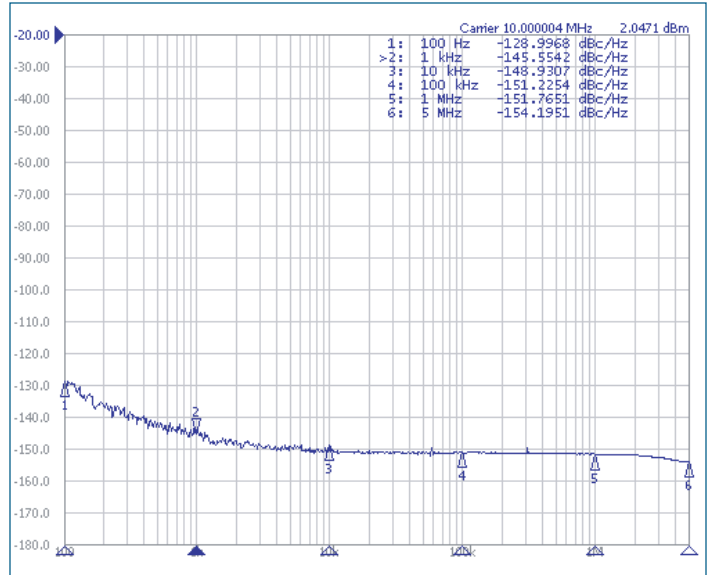
Custom Designs Available

Typical Performance for Select Units

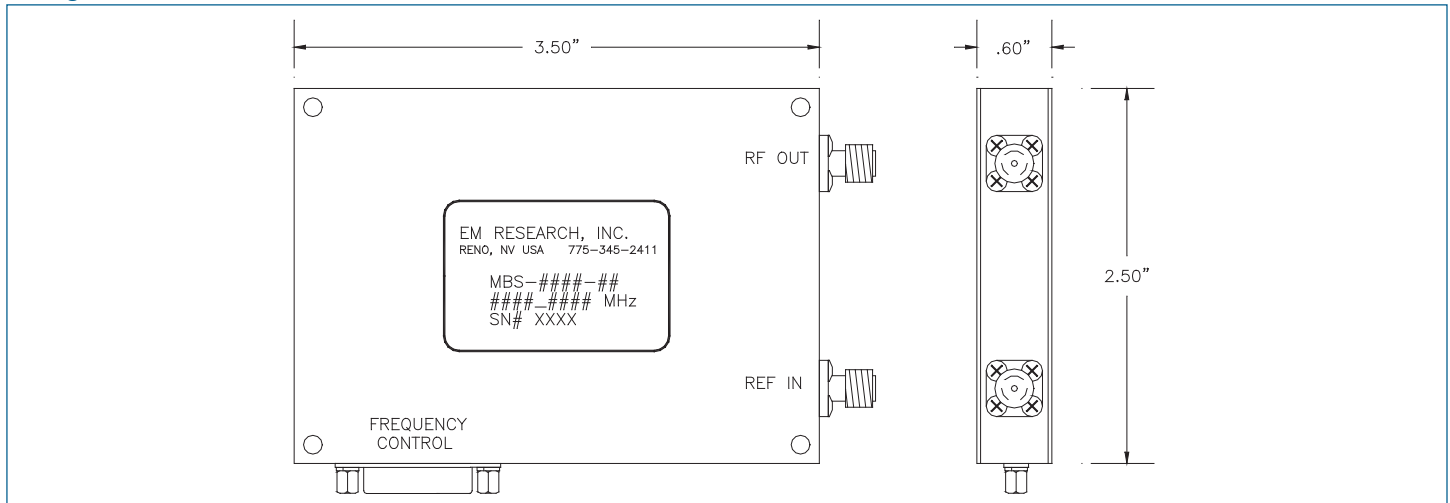
Model #	Freq. (MHz)	Step Power			Phase Noise (dBc/Hz)			Supply	
		Size (KHz)	Out (dBm)	Harmonics (dBc)	10 KHz	100KHz	Spurs (dBc)	Voltage (Vdc)	Current (mA)
MBS-64-XX	10, 10, 64	-	-	-20	-140	-145	-80	+12	200
MBS-64-XX	64	-	-	-20	-140	-145	-80	+12	300
MBS-83-XX	70, 83	-	+7	-15	-100	-120	-65	+15	200
MBS-93-XX	93,184	-	-	-20	-135	-140	-80	+12	300
MBS-165-XX	145, 165	-	+12	-20	-130	-140	-60	+15	200
MBS-320-XX	40-320	1000	+10	-15	-100	-120	-60	+12	300
MBS-460-XX	290-460	10	+7	-15	-90	-110	-50	+12	300
MBS-500-XX	100-500	100	+14	-22	-98	-118	-60	+12	300
MBS-1750-XX	950-1750	100	+7	-15	-85	-105	-55	+12	300
MBS-1990-XX	890-1990	100	+7	-15	-85	-115	-60	+12	300
MBS-2500-XX	200-2500	200	+3	-30	-90	-110	-60	+5	300
MBS-3000-XX	200-3000	1000	+7	-15	-80	-110	-50	+12	300
MBS-6000-XX	3500-6000	5000	+7	-15	-80	-100	-60	+5	300
MBS-6200-XX	3230-6200	1000	+7	-15	-73	-95	-60	+5	155

*Custom frequencies available. All specifications are typical unless otherwise specified and subject to change without notice.

Phase Noise



Package



Note: All dimensions are in inches, unless otherwise specified

*Drawing not to scale