



### HFS Series

### Broadband, High Vibration

#### PRODUCT FEATURES

- Low phase noise, low power consumption

#### GENERAL CHARACTERISTICS

- Frequency: 50 MHz - 6 GHz
- Bandwidth: Fixed, to > octave
- Phase Noise (Fout=2 GHz): <-110 dBc/Hz @ 10 KHz
- Supply Voltage: +5, +8, or +12 VDC
- SMT Package: 1.25" x 1.00" x 0.25"

(31.8 x 25.4 x 6.4)mm

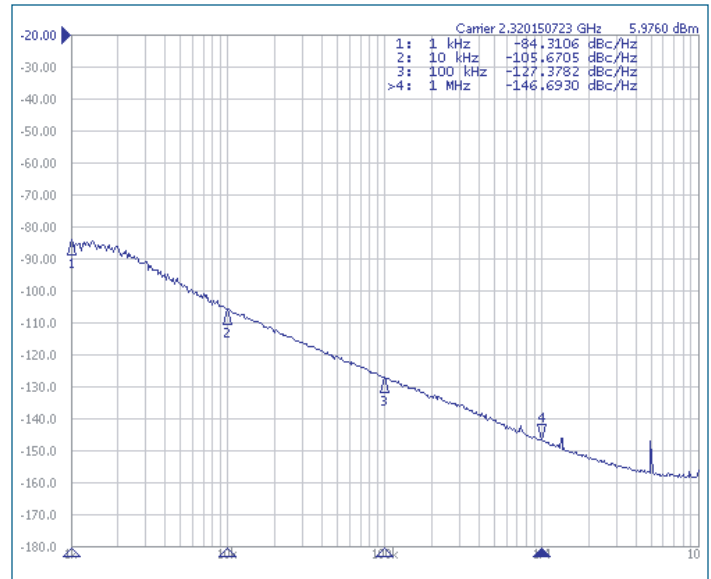


### Typical Performance for Select Units

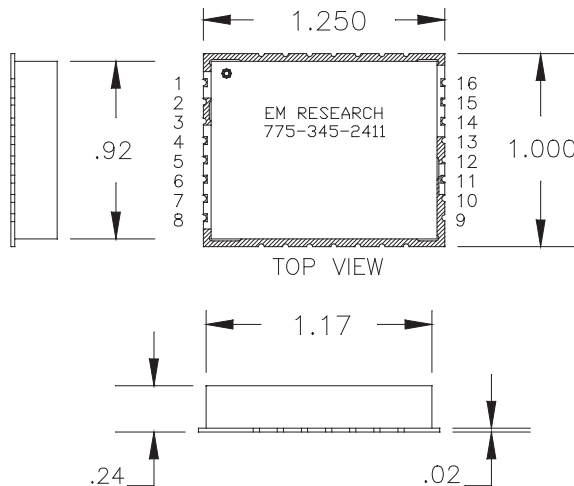
Model #	Freq. (MHz)	Step Size (KHz)	Power Out (dBm)	Harmonics (dBc)	Phase Noise (dBc/Hz)			Spurs (dBc)	Supply Voltage (Vdc)	Supply Current (mA)
					10 KHz	100KHz				
HFS-300-XX	150-300	50	+10	-10	-95	-117	-60	+5	140	
HFS-606-XX	606.5	-	+3	-20	-100	-110	-60	+5	100	
HFS-900-XX	450-900	50	+10	-10	-95	-115	-60	+5	140	
HFS-1500-XX	1100-1500	500	+5	-15	-90	-110	-60	+5	100	
HFS-1700-XX	1700	-	+7	-20	-100	-120	-65	+5	85	
HFS-2000-XX	2000	-	+8	-20	-103	-120	-60	+5	85	
HFS-2725-XX	2725	-	+7	-20	-99	-125	-65	+5	85	
HFS-3200-XX	3200	-	+7	-20	-98	-120	-60	+5	85	
HFS-3300-XX	3250-3300	500	+7	-15	-95	-110	-60	+5	140	
HFS-3700-XX	3300-3700	500	+7	-20	-95	-120	-60	+5	140	
HFS-3850-XX	3850	-	+7	-20	-103	-120	-70	+5	140	
HFS-4000-XX	4000	-	+7	-20	-98	-120	-50	+5	140	
HFS-4500-XX	4500	-	+7	-20	-95	-115	-60	+5	140	
HFS-5000-XX	5000	-	+13	-15	-95	-115	-40	+5	180	
HFS-5815-XX	5200-5815	250	+7	-15	-90	-110	-60	+5	105	

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

### Phase Noise



### Package



#### PIN OUT TABLE

PIN	
1	D-VCC
2	GND
3	GND
4	LOCK
5	CLOCK
6	DATA
7	ENABLE
8	REF TUNE
9	GND
10	GND
11	GND
12	GND
13	GND
14	RF OUT
15	GND
16	A-VCC

Note: All dimensions are in inches, unless otherwise specified

\*Drawing not to scale