



# Miniature Fast Switching Synthesizer 0.4 to 2.8GHz

The content of this specification may change without notification 4/20/2011



## Miniature Fast Switching Synthesizer 0.4 – 2.8 GHz

P/N	Freq. (MHz)	Step Size (MHz)	Power Output (dBm) Min	Flatness (dB) Typ.	Phase Noise (dBc/Hz)					Harmonic <sup>4</sup> (dBc) Max	Spurious (dBc) Max	Switching Speed (us)	Power Supply (V/mA) Typ.	Case
					Freq. MHz	@1 KHz	@10 KHz	@100 KHz	@1 MHz					
					MFSS040 55	400-550	10	+13	≤±1.5					
MFSS092 4	900-2400	100	+13	≤±1.5	900	-100	-102	-110	-120	-10	-60	≤50	+3.3/800 +5/200	TBD
MFSS132 8	1300-2800	100	+13	≤±1.5	1300	-100	-102	-110	-120	-10	-60	≤50	+3.3/800 +5/200	TBD
					1800	-96	-98	-110	-120					

- Notes:**
1. Narrowband Miniature Fast Switching Synthesizer also available.
  2. Max Frequency Point is 16.
  3. Frequency Stability:  $\pm 3 \times 10^{-6}$  with built-in TCXO or with external reference.
  4. Harmonics:  $\leq -30 \sim -50$  dBc with frequency range <80% octave.
  5. For Commercial Application: Operating Temperature: -10~+50°C.  
For Industrial Application: Operating Temperature: -20~+60°C.  
For other Application: Operating Temperature: -40~+70°C, -55~+85°C.