SMD Frequency Synthesizer 1 to 8GHz

The content of this specification may change without notification 1/28/10

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P/N	Freq. (GHz)	Step Size (MHz)	Power Output (dBm) Min	Flatness (dB) Typ.	Phase Noise (10MHz Step Size) (dBc/Hz)					Harmonic[3] (dBc) Max	Spurious (dBc) Max	Switching Speed[4] (us)	Power Supply (V/mA) Typ.	Case
					Freq. (GHz)	@1 KHz	@10 KHz	@100 KHz	@1 MHz					
SFS1020	1-2	0.1-10	+10	≤±1.5	1	-104	-106	-106	-125	-10	-65	≤40	+12/50	SFS-1
					2	-98	-100	-100	-120				+12/100	
SFS2040	2-4	0.1-10	+10	≤±1.5	2	-98	-100	-100	-120	-10	-65	≤40	+12/100	SFS-1
					4	-92	-94	-94	-105				+12/150	
SFS4080	4-8	0.1-10	+10	≤±1.5	4	-92	-94	-94	-105	-10	-65	≤40	+12/100	SFS-1
					8	-86	-88	-88	-100				+12/200	

Notes: 1. Narrowband SMD Frequency Synthesizer also available

2. Frequency Stability: $\pm 3 \times 10^{-6}$ with built-in TCXO or with external reference
3. Harmonics: ≤-30~-50dBc with frequency range <80% octave
4. Switching Speed: ≤40us (10MHz Step Size)
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