



BSW11 SERIES

DIL-14 SINEWAVE OSCILLATOR



Features:

- Tight Stability over Wide Temperature Range
- Sinewave Output (50 Ohms load)
- Low Phase Noise, Low Sub-harmonics
- Hermetically Sealed Package
- 14 Pin (DIL-14) Thru-Hole Package
- 5.0VDC or 3.3VDC Supply Voltage

Applications:

- SONET / SDH / DWDM
- Ethernet, Gigabit Ethernet
- Storage Area Network
- Digital Video
- Broadband Access
- **RoHS Compliant**

ELECTRICAL SPECIFICATIONS

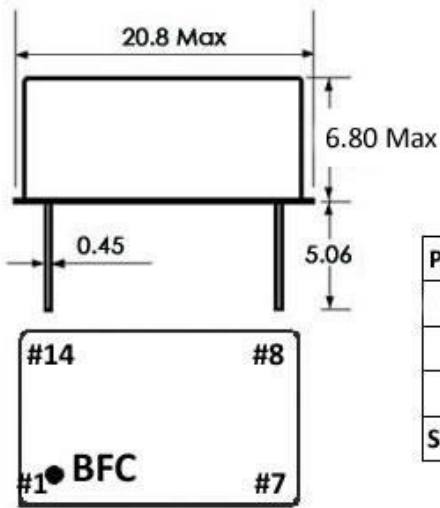
Frequency Range	8 to 600MHz						
Input Voltage (Vcc)	3.3V VDC ±5%; 5.0VDC+/-5%						
OutPut Waveform	PURE SINEWAVE						
Output Level	0-7dBm						
Output Load	50 Ω						
Frequency Stability	±10ppm	±15ppm	±20ppm	±25ppm	±50ppm	±100ppm	
Temperature Range	0 to 70°C	Available	Available	Available	Available	Available	Available
	0 to 50°C	Available	Available	Available	Available	Available	Available
	-10 to +60°C	Available	Available	Available	Available	Available	Available
	-20 to +70°C	Contact Us	Available	Available	Available	Available	Available
	-30 to +75°C	Contact Us	Contact Us	Contact Us	Available	Available	Available
	-40 to +80°C	Contact Us	Contact Us	Contact Us	Contact Us	Available	Available
	-40 to +85°C	Contact Us	Contact Us	Contact Us	Contact Us	Available	Available
Frequency Stability Vs.	Supply Voltage	±1.0ppm (V _{CC} ±5% change)					
	Load Changes	±1.0ppm (Load ±5% change)					
	Aging	±1.0ppm					
Operating Temperature	0 to 70°C / -10 to +70°C / -40 to +85°C						
Input Current	10mA Max @ 20MHz						
Storage Temperature	-55°C to 125°C						
Harmonics Level	< -30dBc						
Sputious Level	< -60dBc						
SSB PHASE NOISE	Offset	10 Hz	100 Hz	1 kHz	10 kHz	100 kHz	
	@ 10.0 MHz	-95 dBc/Hz	-125 dBc/Hz	-145 dBc/Hz	-155 dBc/Hz	-155 dBc/Hz	
	@ 40.0 MHz	-80 dBc/Hz	-115 dBc/Hz	-140 dBc/Hz	-150 dBc/Hz	-155 dBc/Hz	
	@ 120.0 MHz	-75 dBc/Hz	-110 dBc/Hz	-135 dBc/Hz	-120 dBc/Hz	-115 dBc/Hz	

Part Number Table

Model	Frequency Stability	Operating Temperature Range	Voltage
BSW11	00 = ±100 ppm	A = 0 to 70°C	Blank = 5V
	50 = ±50 ppm	B = 0 to 50°C	33 = 3.3V
	25 = ±25 ppm	C = -10 to +60°C	
	20 = ±20 ppm	D = -20 to +70°C	
	15 = ±15 ppm	E = -30 to +75°C	
	10 = ±10 ppm	F = -40 to +80°C	
		M = -40 to +85°C	
		H = -10 to +70°C	

ADD SUFFIX "G" AFTER PART NUMBER FOR GULL WING OPTION

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PIN CONNECTION	PIN #
N/C or E/D	#1
GROUND	#7
OUTPUT	#8
SUPPLY VOLTAGE	#14

