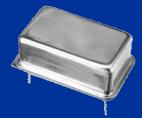


BSW11 SERIES

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**

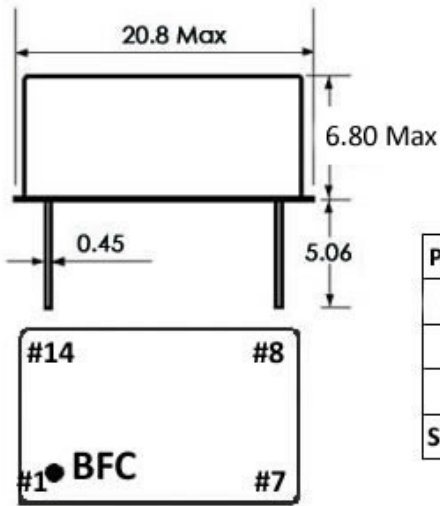
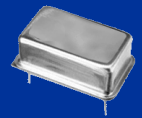
ELECTRICAL SPECIFICATIONS

Frequency Range	8 to 600MHz						
Input Voltage (Vcc)	3.3V VDC $\pm 5\%$; 5.0VDC $\pm 5\%$						
OutPut Waveform	PURE SINEWAVE						
Output Level	0-7dBm						
Output Load	50 Ω						
Frequency Stability	± 10 ppm	± 15 ppm	± 20 ppm	± 25 ppm	± 50 ppm	± 100 ppm	
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	± 1.0 ppm ($V_{CC} \pm 5\%$ change)					
	Load Changes	± 1.0 ppm (Load $\pm 5\%$ change)					
	Aging	± 1.0 ppm					
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



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

