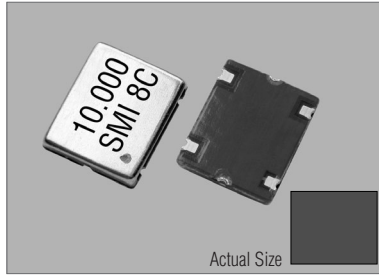
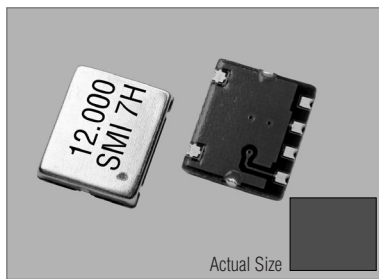


SXO-6000N



SXO-6000H

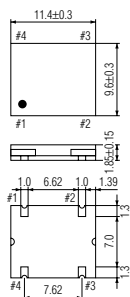


STANDARD SPECIFICATIONS

Item	Specifications	
	SXO-6000N	SXO-6000H
Generic part number	SXO-6000N	SXO-6000H
Frequency range	9.600000 MHz to 40.000000 MHz	
Initial frequency tolerance	±2.0* ppm max. (Vcon = 1/2VDD DC at +25°C ±2°C)	
Frequency stability		
Temperature range	BB/i/ii : ±1.0 ppm over -20°C to +70°C (referred to +25°C) EE/k/jj : ±2.5 ppm over -30°C to +75°C (referred to +25°C) EE/m/ll : ±2.5 ppm over -40°C to +85°C (referred to +25°C)	
Input voltage change	±0.3* ppm max. at VDD ±5% DC	
Output load change	±0.3* ppm max. at 10K Ω ±10% with 10 pF ±10%	
Aging	±1.0* ppm max. / year at +25°C ±3°C	
Absolute Max. Ratings		
Supply voltage	0V to +7.0V	
Control voltage (Vcon)	0.3V to VDD +0.6V	
Storage temperature	-40°C to +85°C	
Operating Conditions		
Operating temperature	i/ii : -20°C to +70°C k/jj : -30°C to +75°C m/ll : -40°C to +85°C	
Input voltage (VDD)	J = +3.0V, K = +3.3V, N = +5V DC ±5%	
Control voltage (Vcon)	1/2VDD ±1V DC (VDD = +3.0V or +3.3V) 1/2VDD ±2V DC (VDD = +5V)	
Input current	1.5* mA max. (9.6 MHz to 16 MHz) 2.0 mA max. (16 MHz to 40 MHz)	
Output		
Level	0.8Vp*-p min. (9.6 MHz to 16 MHz) 0.7Vp*-p min. (16 MHz to 40 MHz)	
Load	10k Ω // 10 pF	
Waveform	Clipped sine wave (DC-cut)	
Frequency Adjustment		
Voltage control	±8* ppm to ±14* ppm (Vcon = 1/2VDD ±1V or 1/2VDD ±2V)	
Frequency slope	Positive	
SSB phase noise	-140 dBc/Hz at 1 kHz offset	
Startup time	10 ms max.	
IR reflow resistance	±1.0 ppm max.*	
Reflow condition	+250°C ±10°C for 10 seconds	
Standard frequencies (MHz)	10.000000 12.800000 13.000000 14.400000 15.360000 16.000000 19.200000 20.000000	

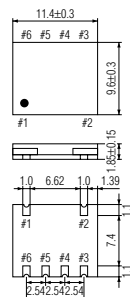
(*) Please contact about specifications for higher frequencies than 22MHz and input voltages of +3.3V & +5V.

SXO-6000N



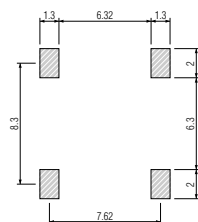
PIN	CONNECTION
1	Vcon
2	GND
3	OUTPUT
4	+V DC

SXO-6000H



PIN	CONNECTION
1	GND
2	GND
3	OUTPUT
4	GND
5	Vcon
6	+V DC

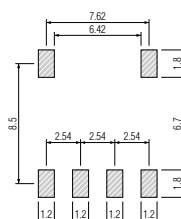
SOLDERING PATTERN for SXO-6000N



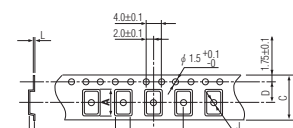
PACKAGE DATA

Item	Package	SXO-6000N	SXO-6000H
Cover		Metal	Metal
Base		PCB	PCB
Terminal		NiAu	NiAu
Terminal plating		Gold	Gold
RoHS		Compliant (Pb-free)	Compliant (Pb-free)

SOLDERING PATTERN for SXO-6000H



TAPE SPECIFICATIONS



A	B	C	D	F	J	L	M	Reel Dia.	Qty/Reel
12.0	10.2	24.0	11.5	12.0	2.0	0.3	2.3	330 (300)	2000pcs