

SMD TCXO AND VCTCXO

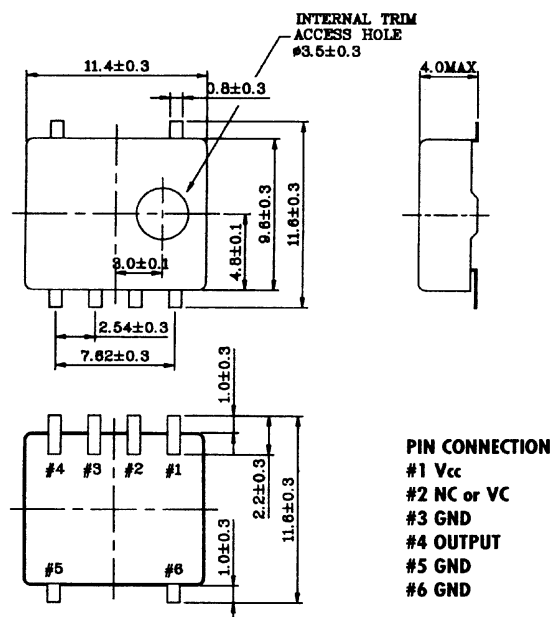
TSE/VSTE PACKAGES

ELECTRICAL SPECIFICATIONS

OUTPUT		TTL/HCMOS COMPATIBLE		CLIPPED SINEWAVE
Frequency Range		1.5 to 27 MHz		10 to 27 MHz
Output	Load	10 TTL Load or 15pf HCMOS Load max		20 kohm // 5pf
	Level	High	TTL : 2.4 Vdc min HCMOS : VDD -0.5 Vdc min	1.0 Vp-p min
		Low	TTL : 0.4 Vdc max HCMOS : 0.5 Vdc max	
Frequency Stability	Vs. Temp. Range		See Table 1	
	Vs. Input Voltage (5%)		±0.5ppm max	
	Vs. Load		±0.3ppm max	
	Vs. Aging (at 25°C)		±1ppm/Year max	
Input	Voltage	5.0 Vdc ±5%		
	Current	20 mA max		3 mA max
Frequency Adjustment Range				±3ppm max
Rise/Fall Time		10 nSec max		
Duty Cycle		50 ±10% max		
Control Voltage (VSTE only)				2.5 Vdc ±2.0 Vdc Positive Transfer Characteristic
Frequency Deviation Options (VSTE only)				±5ppm, ±10ppm (min)

MECHANICAL DIMENSIONS

TABLE 1:



OPERATING TEMP.		FREQUENCY STABILITY (±PPM)							
		X DENOTES AVAILABILITY							
Range ppm		1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
Code		15	20	25	30	35	40	45	50
0 to 50°C	A	X	X	X	X	X	X	X	X
-10 to 60°C	B	X	X	X	X	X	X	X	X
-10 to 70°C	C		X	X	X	X	X	X	X
-20 to 70°C	D		X	X	X	X	X	X	X
-30 to 60°C	E			X	X	X	X	X	X
-30 to 70°C	F			X	X	X	X	X	X
-30 to 75°C	G			X	X	X	X	X	X
-40 to 80°C	H					X	X	X	X

SNR CORPORATION