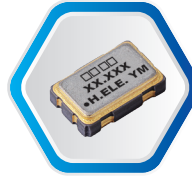




HSV531S SERIES

CRYSTAL OSCILLATOR, VCXO

✓ RoHS Compliant ✓ Pb Free



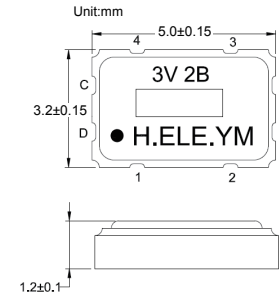
STANDARD SPECIFICATION

Items		Parameter
Frequency Range		1.8 ~ 55MHz
Frequency Stability		±25ppm, ±50ppm, ±100ppm
Power Voltage (±10%V)		+3.3 V DC, +5.0V DC (±10%V)
Frequency Pulling Range		±50ppm, ±90ppm Min.
Control Voltage Range		0.3V to 3.0V、0.5V to 4.5V
Storage Temp.		-55°C ~ +125°C
Current Consumption		60mA Max.
Output Character	"0" Level	10%VDD Max.
	"1" Level	90%VDD Min.
	Rise Time (Tr)	10% ~ 90%VDD 10ns Max.
	Fall Time (Tf)	90% ~ 10%VDD 10ns Max.
	Symmetry	40/60% at 50%VDD
	Output Load	15pF
Start-up Time		10 ms Max.
Linearity		± 10 % Max .
Phase Jitter	10≤f0≤40	1ps Max. (F offset : 12KHz ~ 5MHz)
	40≤f0≤55	1ps Max. (F offset : 12KHz ~ 20MHz)

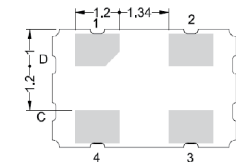
*For other specification, please contact us.

Packing Unit : 1,000pcs/Reel.

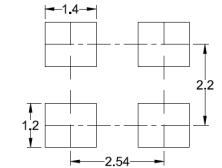
DIMENSION



Bottom View



Recommended Land Pattern
Tolerance: ±0.15

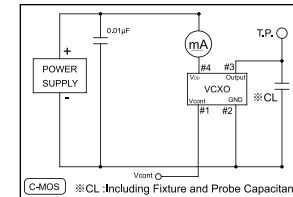


Pin Connections

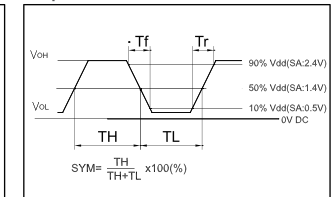
1	Vcont
2	GND
3	Output
4	Vdd

TEST CIRCUIT AND OUTPUT WAVEFORM

Measurement Circuit



Output Waveform



Actual Size