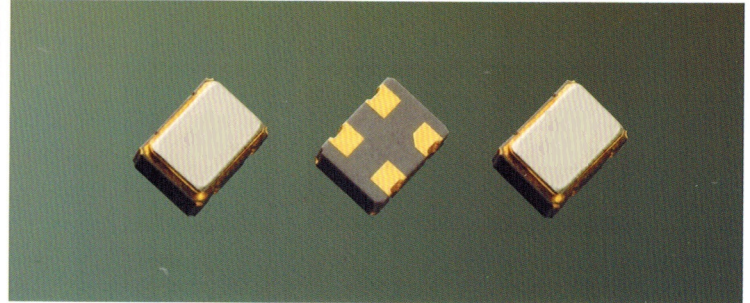


CRYSTAL OSCILLATOR SMD7050, 5032, 3225

Features

Tri-state. Enable/Disable
 TTL / HCMOS Output
 Seam Welding Type
 Tape and Reel
 Excellent Solder Ability



Electrical Specification

Type		SMD7050&5032	SMD3225
频率范围 (MHz)	Frequency Range	1.000~156.000MHz	2.000~60MHz
调整频差 (ppm)	Frequency Tolerance (at 25°C)	Inclusive of operating temperature range, supply voltage, and load	± 100ppm, ± 50ppm or ± 25ppm, ± 20ppm Max
工作温度 (°C)	Operating Temperature	± 100, ± 50ppm	0°C ~ +70°C or -40°C ~ +85°C
		± 25, ± 20ppm	0°C ~ +70°C
储存温度 (°C)	Storage Temperature Range	-55°C ~ +125°C	
电源电压 (V _{DD})	Supply Voltage (V _{DD})	5.0V _{DC} ± 10%, 3.3V _{DC} ± 10%, 2.5V _{DC} ± 10%	
输入电流	Input Current	1.000 ~ 44.736MHz	30mA Max
高电平	Higher Potentiometer	w / HCMDS load	90% of V _{DD} Min
低电平	Lower Potentiometer	w / HCMDS load	10% of V _{DD} Max
上升/下降时间	Rise / Fall Time	1.000 ~ 34.999MHz	10nsec Max
		35.000 ~ 44.736MHz	5nsec Max
占空因数	Duty Cycle	at 50% of waveform w / HCMOS load or 1.4V _{DC} w / TTL load	50 ± 10% (STD)
			50 ± 5% (Optional)
负载驱动能力	Load Drive Capability	10TTL load or 15pF HCMOS load(STD)	
老化率 (ppm/y)	Aging	± 5ppm/year Max	
起振时间	Start-Up Time	10msec Max	

■ Frequency Stability over Temperature Range (AT cut) (Table)

Temperature Range		±20PPM	±25PPM	±30PPM	±35PPM	±40PPM	±45PPM	±50PPM
		20	25	30	35	40	45	50
0~+50°C	A	Δ	Δ	Δ	Δ	Δ	Δ	Δ
-5~+55°C	B	Δ	Δ	Δ	Δ	Δ	Δ	Δ
-10~+60°C	C	Δ	Δ	Δ	Δ	Δ	Δ	Δ
-20~+70°C	D	/	Δ	Δ	Δ	Δ	Δ	Δ
-30~+85°C	E	/	/	/	Δ	Δ	Δ	Δ
-40~+85°C	F	/	/	/	Δ	Δ	Δ	Δ

■ Dimension (Unit: mm)

