



SMD CRYSTAL OSCILLATOR

2.5*2.0 OSC

- . Very corthpact and thin(3.2*2.5*1.2mm MAX)
- . Frequency range of 1M~61.44M
- . Tri-State Enable/Disable, TTL/HCMDS Compatible, Networking and base station applications

No.	Item	Symb.	Electrical Specification				Remark
			Min.	Type	Max.	Units	
1	Nominal Frequency	F ₀	1~61.44			MHz	
2	Frequency Stability		±25PPM/±50PPM/±100PPM			All condition*	
3	Operating Temperature Range	TOPR	-20~70°C/-40+85°C				
4	Storage Temperature	TSTG	-55~125°C				
5	Power supply Voltage	V _{DD}	1.8V/2.8V/3.3V				
6	Aging Per Year	F _a	±2PPM			First Year	
7	Supply current	I _c	30mA MAX				
8	Output symmetry	Sym	40%/60%				
9	Rise time	Tr	5		ns	10%-90%V _{DD}	
10	Fall time	Tf	5		ns	90%-10%V _{DD}	
11	Output voltage	V _{OH}	90%			V _{DD}	
		V _{OL}			10%	V _{DD}	
12	Output load HCMDS LOAD		15		PF		
13	Start up time		10		mS		
14	Pin 1, tri-state function	pin 1=H or open.....output active at pin 3 pin 1=L.....high impedance at pin 3					
15	Package type	SMD2.5*2.0					

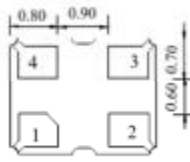
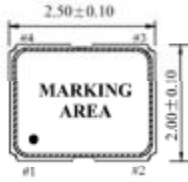


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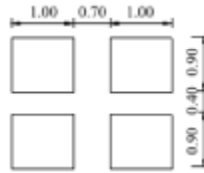
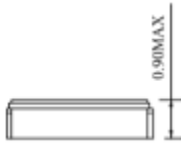
CRYSTAL OSC SMD 7.0*5.0 4PAD DIMENSION

PACKAGE DIMENSIONS:Unit: mm



Pin	Connection
#1	Tri-State
#2	GND
#3	Output
#4	V _{DD}

Recommended Solder Pattern



**Note: 0.01uF bypass capacitor should be placed between V_{DD}(Pin4) and GND(Pin2) to Minimize power supply line noise