

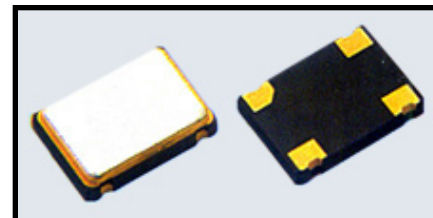
Surface Mount Clock Oscillator

T4 Series

MEC Crystals

Glass Sealed Ceramic 3.2 x 2.5 x 1.0 mm with Tri-State Function

(4 Pads)



Features:

- Broad frequency range 4MHz ~ 50MHz
- Compact and thin ceramic package with metalized for surface
- Suitable for reflow soldering
- Lower noise and current with reduced power consumption
- Built-in C-MOS IC with tri-state function
- Supply voltage of 1.8V, 2.5V, 3.3V and 5V available
- **RoHs Compliant (Pb Free)**

Electrical Specifications:

Parameters	T4
Output Type	CMOS
Supply Voltage	1.8V, 2.5V, 3.3V or 5V
Frequency Range	4MHz to 50MHz
Frequency Stability	± 25ppm, ± 50ppm
Output Load	15pF, or specify
Oscillation Mode	Fundamental
Operating Temperature	-10°C ~ +70°C; -10°C ~ 60°C; -20°C ~ +70°C; -40°C ~ +85°C
Storage Temperature	-55°C ~ +125°C
Supply Current	15mA Max
Symmetry	45 ~ 55%
Voltage Vol(Max) / Voh (Min)	0.1VDD / 0.9VDD
Rise(Tr) / Fall (Tf) Time	8ns Max
Start-up Time	5ms Max
Phase Jitter (12KHz ~ 20MHz)	2ps Max
Aging (at 25°C)	±3ppm / year Max

Part Numbering System:

T4 **3** **B** — **25.000** **B** **T** **15**

① ② ③ ④ ⑤ ⑥ ⑦

① Series	② Supply Voltage		③ Frequency Stability		④ Frequency		⑤ Operating Temperature		⑥ Output Load		⑦ Output Load	
T4	Code	Voltage	Frequency Stability		Frequency		Code	Ranges	Code	Output Symmetry	Code	Output Load
	5	5V	B: ±50 ppm		Unit : MHz		Nil	-10°C ~ +70°C	T	45% / 55%	15	15pF
	3	3.3V	D: ±25 ppm		5 digits min.		A	-10°C ~ +60°C			30	30pF
	2	2.5V					B	-20°C ~ +70°C			50	50pF
	1	1.8V					X	-40°C ~ +85°C				

Remark: Specifications are subject to change without prior notice. Please confirm with our sales engineer.

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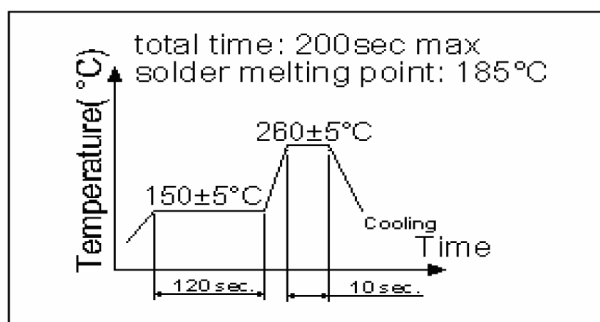
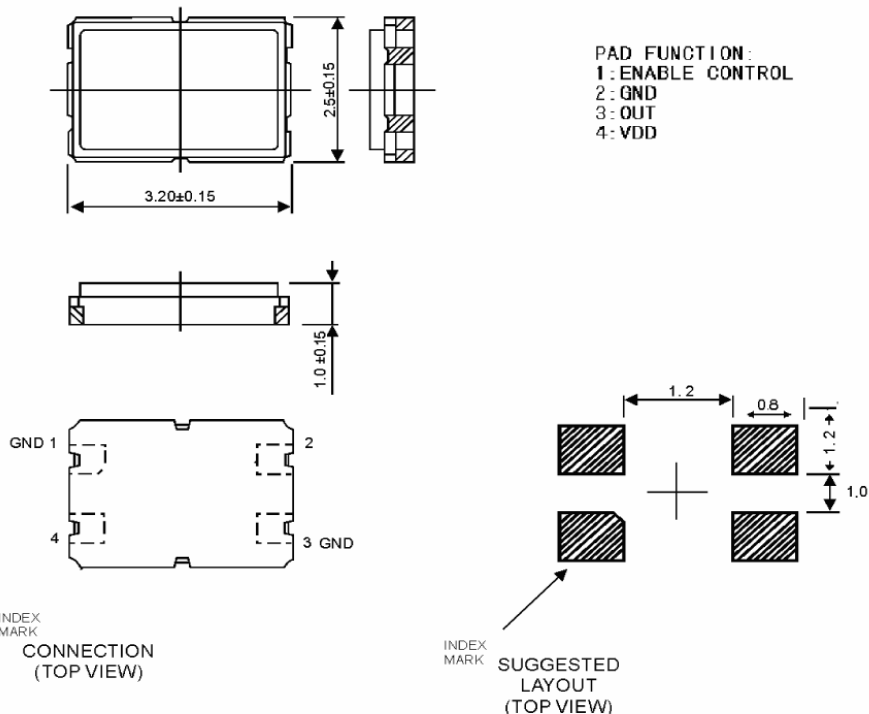
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Glass Sealed Ceramic 3.2 x 2.5 x 1.0 mm with Tri-State Function

(4 Pads)

Dimensions:



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