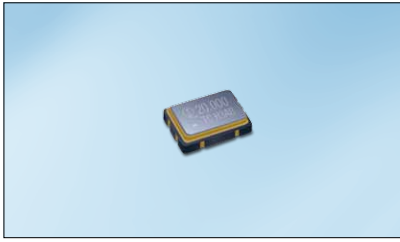


# TC900-K Series

## SMD TEMPERATURE COMPENSATED QUARTZ CRYSTAL OSCILLATORS 表貼溫度補償石英晶體振盪器

Temperature compensated crystal oscillators (TCXO)



### FEATURES

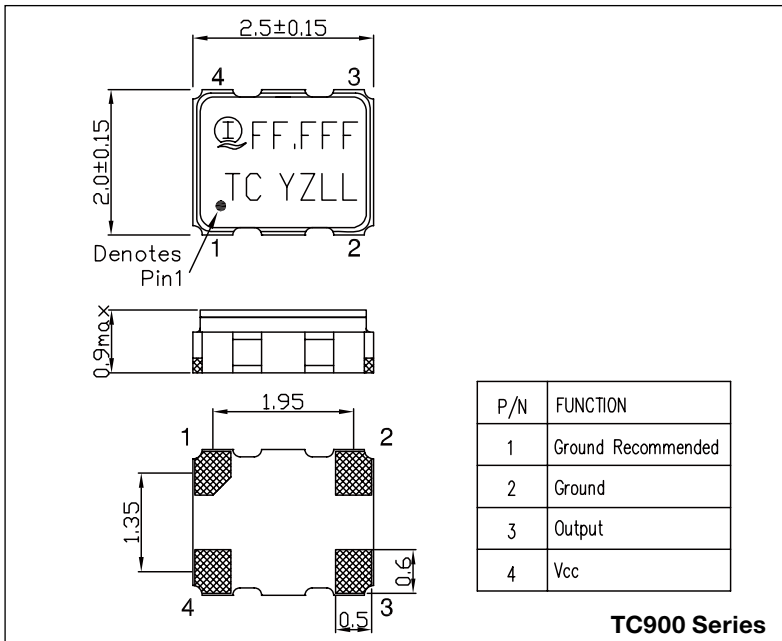
- Ultra-miniature size
- High reliability seam welded package
- Pick and place assembly
- Low supply voltage version available



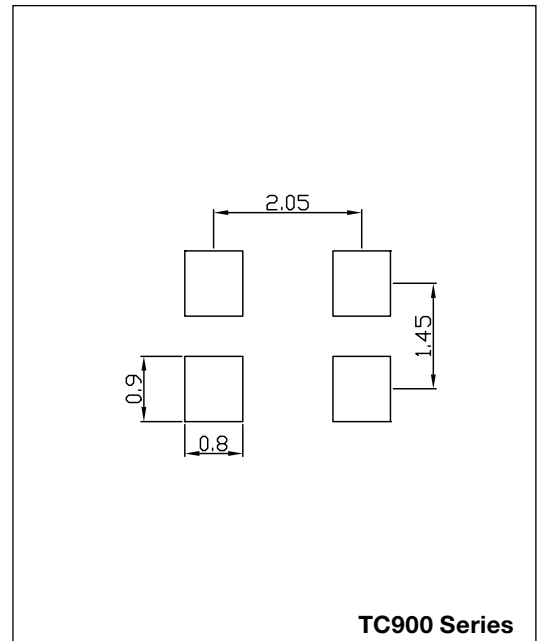
Parameters		Specifications	
Series 系列		TC900-B Series	TC900-K Series
Output Waveform 輸出波型		CMOS	Clipped Sine
Frequency Range 頻率範圍		2.500MHz to 54.000MHz	8.000MHz to 52.000MHz
Supply Voltage Range (Vdd) 工作電壓範圍		1.8V, 2.0V, 2.5V, 2.8V, 3V, 3.3V	
Operating Temperature Range 工作溫度範圍		0°C ~ +70°C , -20°C ~ +70°C , -40°C ~ +85°C	
Frequency Stability 頻率偏差			
vs. Room Temp. (25°C ± 3°C) 相對常溫		±0.5ppm, ±1.0ppm, ±1.5ppm, ±2.0ppm, ±2.5ppm	
vs. Operating Temp. 相對工作溫度		±0.5ppm, ±1.0ppm, ±1.5ppm, ±2.0ppm, ±2.5ppm	
vs. Voltage Change (±5%) 相對電壓變化		±0.3ppm Max	
vs. Load Change (±5%) 相對負載變化		±0.3ppm Max	
vs. Aging (First Year) 相對首年老化率		±1ppm	
Current Consumption (Idd) 消耗電流		10mA Max.	2mA Max.
Rise & Fall Time 上 / 下沿時間		10ns Max.	
Output Symmetry 輸出對稱性		45% ~ 55%	
Output Voltage 輸出電壓	Vp-p	-	0.8V Min.
	VOH	0.8Vdd	-
	VOL	0.5V	-
Output Load 輸出負載		15pF	10k ohms // 10pF
Pullability 牽引範圍 (for VCTCXO)		±15ppm Typ.	
Control Voltage Range 控制電壓範圍 (for VCTCO)		0.90V±0.90V, 1.4V±1V, 1.5V±1V	
Phase Noise @ 1kHz Offset		-130dBc/Hz Max.	
Start-up Time 起動時間		3ms Max.	
Storage Temperature Range 儲存溫度範圍		-40°C ~ +85°C	

Please consult our sales representatives for other specifications.  
如對其他規格查詢，請與我司銷售人員聯繫

### DIMENSION (mm)



### SOLDERING PATTERN (mm)



All specifications are subject to change without prior notice.  
本公司保留修改規格的權利。

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