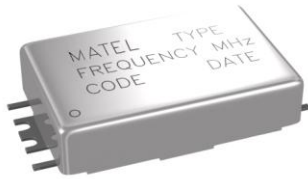


SMD VC-TCXO 21.3 x 11.7 WD-14 & WD-24



FEATURES
6 to 190 MHz Clipped sinewave

Electrical Parameters

Parameters	Conditions	WD-14	WD-24
Frequency Range		6 ~ 190 MHz	
Frequency Calibration	At 25°C	±2.5 ppm	
Frequency Stability	Over T _{OPR} (Ref25°C)	± 0.5 ppm ~ ± 2.5 ppm	
Stability vs.power change	VDD ± 5%	±0.2 ppm	
Stability vs.load change	10 KΩ // 10pF	±0.2 ppm	
Pullability	Over Control Voltage Range	±5ppm min,±10ppm min	
Control Voltage Range		0.5~4.5V	0.5~3.15V
Operating Temperature Range		0 ~ 70°C , -40 ~ 85°C	
Storage Temperature Range		-55°C ~ 125°C	
Power Supply Voltage		+5V ± 5%	+3.3V ± 5%
Ageing (First Year)	25°C ± 3°C	± 1ppm Max	
Supply Current	6 ~ 190 MHz	2 mA ~ 30 mA max	
Output Clipped sinewave	10 KΩ // 10pF	1 Vpp min	0.8 Vpp min
Phase Noise (typical)		-80 dBc / Hz @ 10Hz	
		-110 dBc / Hz @ 100Hz	
		-135 dBc / Hz @ 1KHz	
		-140dBc / Hz @ 10KHz	
		-145 dBc / Hz @ 100KHz	

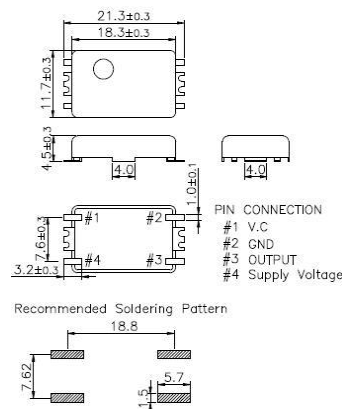
Ordering Code

Temperature Range	Code	Stability	Code	Internal Code	Pullability	Code	Option	Code
0 + 70°C	B	± 0.5 ppm	Q	0	±10 ppm min	4		
- 10 + 60°C	C	± 1 ppm	P		±5 ppm min	5		
- 20 + 70°C	E	± 2 ppm	M					
- 40 + 85°C	H	± 2.5 ppm	L					

Example : WD-14EM05 48MHz

Environnemental Parameters

Mechanical Dimensions (mm)



SMD VC-TCXO

TYPE	WD-14 & WD-24	REVISION	02	CHECKED	PB	DATE	25/09/2014
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All specifications are subject to change without notice