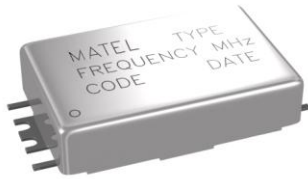


SMD VC-TCXO 21.3 x 11.7 WD-11 & WD-21



FEATURES
1 to 800 MHz HCMOS/TTL

Electrical Parameters

Parameters	Conditions	WD-11	WD-21
Frequency Range		1 ~ 125 MHz	1 ~ 800 MHz
Power Supply Voltage (V _{DD})		+5V ± 5%	+3.3V ± 5%
Supply Current	1 ~ 800 MHz	15 mA ~ 50 mA max	
Frequency Calibration	At 25°C	±2.5 ppm	
Frequency Stability	Over T _{OPR} (Ref25°C)	± 0.5 ppm ~ ± 2.5 ppm	
Operating Temperature Range		0 ~ 70°C , -40 ~ 85°C	
Stability vs.power change	V _{DD} ± 5%	±0.2 ppm	
Stability vs.load change	15pF ±10%	±0.2 ppm	
Pullability	Over Control Voltage Range	±5ppm min, ±10ppm min	
Control Voltage Range		0.5~4.5V	0.5~3.15V
Storage Temperature Range		-55°C ~ 125°C	
Aging (First Year)	25°C ± 3°C	± 1ppm Max	
Output Symmetry	At ½V _{DD}	40/60% (45/55% option)	
Rise & Fall Time	10% V _{DD} ~ 90% V _{DD}	10 nS max	
Output HCMOS Load		15pF max	
Phase Noise (typical)		-80 dBc / Hz @ 10Hz	
		-110 dBc / Hz @ 100Hz	
		-135 dBc / Hz @ 1KHz	
		-140dBc / Hz @ 10KHz	
		-145 dBc / Hz @ 100KHz	

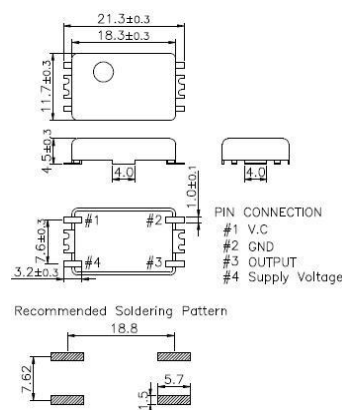
Ordering Code

Temperature Range	Code	Stability	Code	Internal Code	Pullability	Code	Option	Code
0 + 70°C	B	± 0.5 ppm	Q	0	±10 ppm min	4	Symmetry 45/55%	S
- 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-11CP05 10MHz

Environnemental Parameters

Mechanical Dimensions (mm)



SMD VC-TCXO

TYPE	WD-11 & WD-21	REVISION	02	CHECKED	PB	DATE	25/09/2014
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All specifications are subject to change without notice