

PRODUKT-INFO

VCO-503

SMD Voltage Controlled Crystal Oscillators

FEATURES

1. Metal cap / ceramic base.
2. Seam welding.
3. 5.0V and 3.3V available.

APPLICATION

For ADSL, MPEG, Video, TV, etc.

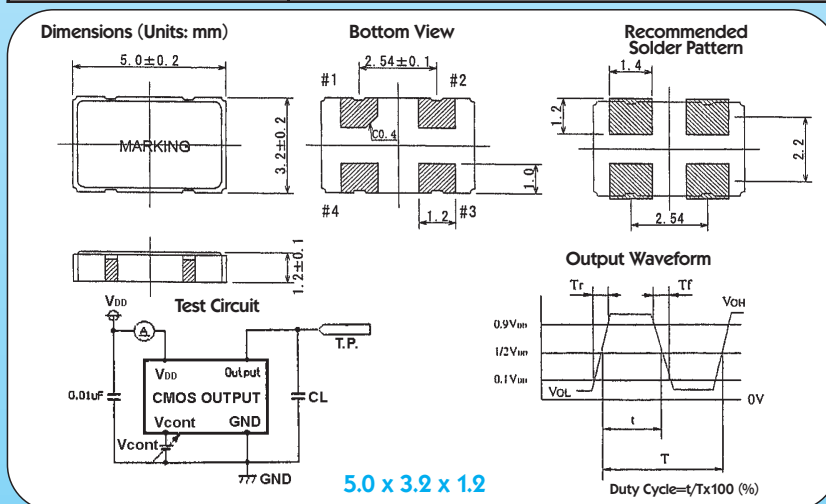


Actual Size



ELECTRICAL SPECIFICATIONS		VCO-503 (5.0V)	VCO-503 (3.3V)
Model		VCO-503 (5.0V)	VCO-503 (3.3V)
Frequency Range		1.5 MHz ~ 54.0 MHz	
Nominal Frequency		27.0 MHz	
Frequency Stability		±30 ppm / ±50 ppm	
Operating Temperature Range		-20°C to +70°C, -40°C to +85°C option	
Storage Temperature Range		-40°C to +85°C	
Supply Voltage (V_{DD})		5.0V DC ±10%	3.3V DC ±10%
External Control Fuction / External Control Voltage		±100 ppm min. +2.5V ±2.0V DC	±100 ppm min. +1.65V ±1.35V DC
Supply Current	F ≤ 20 MHz	15 mA max.	10 mA max.
	20 ~ 30 MHz	20 mA max.	15 mA max.
	> 30 MHz	25 mA max.	20 mA max.
	> 40 MHz	30 mA max.	25 mA max.
Output Load		15 pF, CMOS	
Output Voltage	V _{OH}	90% V _{DD} min.	
	V _{OL}	10% V _{DD} max.	
Rise Time	10% V _{DD} ~ 90% V _{DD}	6 ns max.	
Fall Time	90% V _{DD} ~ 10% V _{DD}	6 ns max.	
Output Symmetry		45 ~ 55% at 1/2 V _{DD}	
Phase Noise		-130dBc/Hz max. at 1kHz	

OPTIONS: VDD +3.3V / >30MHz: ±80 ppm / +1-65V ±1.35V DC.



Terminal	Connection
#1	V Control
#2	GND
#3	OUTPUT
#4	V _{DD}

Crystals...
and more

Now available

RoHS
COMPLIANT
2002/95/EC



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All specifications subject to change without notice.