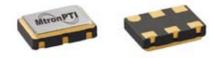
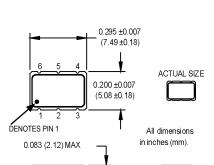
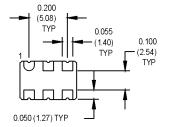
CMV & CMV3 Series



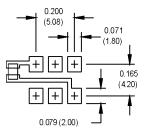
5x7 mm, 5.0 or 3.3 Volt, CMOS, VCXO







SUGGESTED SOLDER PAD LAYOUT



Pin Connections

PIN	FUNCTION						
1	Control Voltage						
2	Tristate						
3	Ground & Gnd Plane						
4	Output						
5	N/C						
6	+Vdd						



0.40	g Information CMV/CMV3	Х	Х	00.0000 MHz
Product S CMV = 5 CMV3 =				
	//Logic Compatibility — 40%/60% CMOS 45%/55% CMOS			
Blank:	ure Range 0°C to +70°C -40°C to +85°C			

	PARAMETER	Symbol	Min.	Тур.	Max.	Units	Condition/Notes
	Frequency Range	F	2		52	MHz	
	Operating Temperature	TA	(See Order	ing Inform	nation)		
	Storage Temperature	Ts	-55		+125	°C	
	Frequency Stability	∆ F/F					
	Overall		Inclusive of Calibration, Temperature, Voltage, Load, and Aging				
	0°C to +70°C			± 25		ppm	
	-40°C to +85°C			±40		ppm	
	Aging						
	1st Year		-3		+3	ppm	
	Thereafter (per year)		-1		+1	ppm	
	Pullability/APR						
Electrical Specifications	2.000 to 45.000 MHz			±120		ppm	
	45.001 to 52.000 MHz			±90		ppm	
	Control Voltage	Vc	0.5	2.5	4.5	٧	CMV
			0.3	1.65	3.0	V	CMV3
	Linearity				5	%	Positive Monotonic Slope
	Modulation Bandwidth	fm	20			kHz	±3dB
	Input Impedance	Zin	50k			Ohms	@ 10 kHz
	Input Voltage	Vdd	4.5	5.0	5.5	٧	CMV
			3.0	3.3	3.6	V	CMV3
	Input Current	ldd			30	mA	
	Output Type						HCMOS
	Load				15	pF	HCMOS
	Symmetry (Duty Cycle)		(See Ordering Information)			@ 50% Vdd	
	Logic "1" Level	Voh	Vdd -0.5			V	
	Logic "0" Level	Vol			0.5	V	
	Output Current				20	mA	
	Rise Time	Tr			5	ns	20% to 80% Vdd, CL=15pF
	Fall Time	Tf			5	ns	80% to 20% Vdd, CL=15pF
	Tri-state Function		Input Logic "1" or floating: output active				
			Input Logic "0": output disables to high-Z				
	Start up Time				10	ms	
	Phase Jitter @ 26 MHz	φJ		4		ps RMS	Integrated 12 kHz - 20 MHz
	Phase Noise (Typical)	10 Hz	100 Hz	1 kHz	10 kHz	100 kHz	Offset from carrier
	@ 26 MHz	-65	-95	-115	-130	-140	dBc/Hz
				•			

MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice. No liability is assumed as a result of their use or application.