

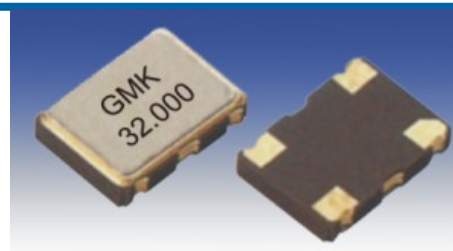
Crystal Oscillator

SEAM SEALED CERAMIC 5X3.2MM Surface Mount Package



FEATURE

- Broad frequency range from 1.544MHz to 150.0MHz.
- Compact and thin ceramic package with a metalized lead for surface mounting and automatically loaded.
- Lower noise and current with reduced power consumption.
- Build-in CMOS/HCMOS IC with tri-state function.
- 5V and 3.3V and 2.5V supply model available.
- Ideally suited designed for use in PCs, NB, PCMCIA Cards. Palmtop Computer, Portable Applications



ELECTRICAL SPECIFICATIONS

Parameter	Condition \Model	OSMD5032A	OSMD5032B	OSMD5032C	OSMD5032D
Fan Out Type		TTL/CMOS	CMOS	TTL	TTL
Supply Voltage		5.0V	3.30V	5.0V	3.3V
Frequency range		1.544MHz ~ 150MHz			
Operating Temperature		0 ~ +70°C, -20 ~ +70°C, -40 ~ +85°C			
Input Current	Frequency Range	1.544~31.999MHz 35mA max(15pF) 40mA max (50pF) 32~150MHz 45mA max(15pF) 55mA max (50pF)	1.544~31.999 MHz 25mA max 32~150MHz 40mA max	1.544~31.999 MHz 30mA max 32~150MHz 45mA max	1.544~31.999MH z 25mA max 32~150MHz 40mA max
Frequency Stability	All Conditions	±25ppm, ±50ppm, ±100ppm,			
Symmetry	AT 1/2 Vdd	40/60% Max			
Output Voltage	Vol(max)	0.4V/0.5V	0.33V	0.5V	0.33V
	Voh(min)	2.4V/4.5V	2.97V	4.5V	2.97V
Rise/Fall Time	AT0.1Vdd ~0.9Vdd	10ns max			
Driving Ability	10 LSTTL Load max			15pF	15pF
	CMOS load max	15pF/50pF	15pF		
	TTL load max	10TTL			
Start-up Time	Load RANGE	10ms max			
E/D Function	#1 OPEN	PIN #3 ACTIVE			
	#1 ≥ 2.2V	PIN #3 ACTIVE			
	#1 ≤ 0.8V	PIN #3 HIGH Z			
PAD Connection		PIN#1 E/D		PIN#3 OUT	
		PIN#2 GND		PIN#4 Vdd	

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