

EDCON-COMPONENTS



Features

Because of their excellent shock resistance and low power consumption the units are ideal for portable equipment
Features superior characteristics indigenous to tuning fork type quartz crystal units.

Applications

Permits use as a clock source for communications equipment, AV equipment, OA equipment, measuring instruments and various types of clocks.

Specifications

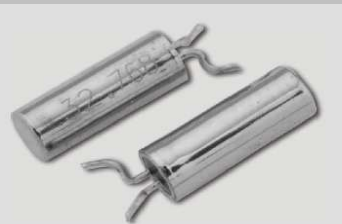
Frequency Range:	f_0	32,768KHz	
Frequency Tolerance:	$\Delta f/f_0$.+/- 20ppm	At 25°C
Turnover Temperature:	T_m	25°C +/- 5°C	
Temperature Coefficient	β	0,034 +/- 0,006ppm/°C	
Operating Temperature:	T_{opr}	.- 10°C to +60°C	
Storage Temperature:	T_{stg}	.-40°C to + 85°C	
Quality Factor	Q	90,000 Typ. 70.000Typ.	
Equivalent series resistance:	R_1	35KΩ Max.	At 25°C
Load Capacitance:	C_L	12,5pf Typ.	Please specify
Motional capacitance:	C_1	0,0035pf Typ. 0,0030pf Typ.	
Shunt capacitance:	C_0	1,60pf Typ. 1,35pf Typ	
Capacitance ratio		460 Typ. 450 Typ.	
Drive Level	DL	1 μW Max.	
Insulation resistance	IR	500M Ω Max.	DC100V +/-15V
Aging (First Year)	$\Delta f/f_0$.- +/- 5ppm Max.	25°C +/- 3°C
Sealing		1x10 ⁻² Pa.m ³ /s Max.	
Shock resistance:		.- +/-5ppm Max.	

**SMD Quarz Crystal
2,0x6,0mm 2PAD**

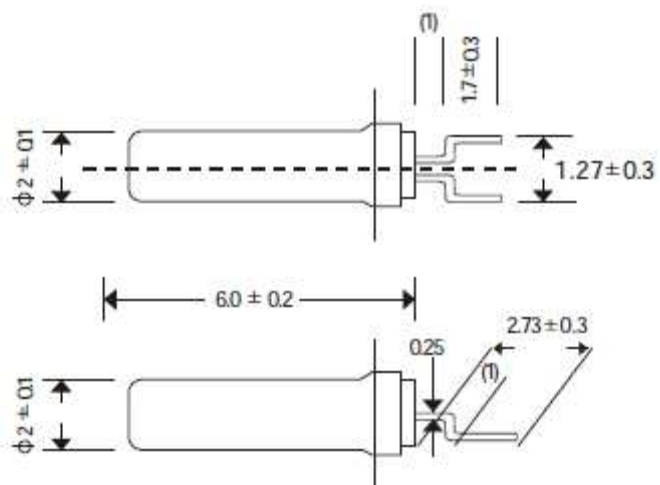
Part No.: **O12060**

DRW:	Jose	CHKD	John	MATL:	Victoria	TOLERANCE	Mu Tao	DATE	13.07.2016	Customer:
APPD:	Victor			FINISH	Oliver		Sheet No.	1 from 4		

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Technical Dimensions Dimensions (mm)

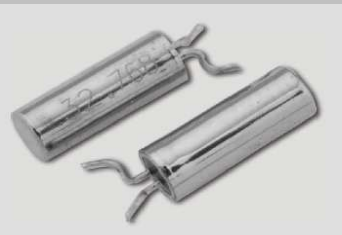


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Ordering Informations

Serie	Frequency Range	Frequency Tolerance	Load Capacitance	Temperature Range	ROHS	Packing				
O12060	-	32K7680000	C	1	A	R	TR102			

10 Letters (empty fill w. 0)	C= +/-20ppm	1= 12pf	A= -0°C ~ +50°C	R= ROHS Conform	TR102= Tape /Reel 1000PCS
	D= +/-10ppm		B= -10°C ~ +60°C	N= NON ROHS Conform	
				D= -20°C ~ +70°C	BU101= Bulk Ware 100PCS

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Soldering Profile

Classification Reflow Profile (JEDEC J-STD-020C)



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