	Diode:	Product Line of s Incorporated	PERICOM	
			APPROVAL	
CUSTOMER				
NOMINAL FREQUE		32	.768 KHz	
PRODUCT TYPE	G2	Series Cylinder	Through Hole Quartz Crystal	
SPEC. NO. (P/N)		G23270015		
CUSTOMER P/N				
ISSUE DATE		Apr.17,2018		
VERSION	В		В	
APPROVED	PRE	EPARED	QA	
Brenda	Nit	bi Lu	Dong Jang	
Diodes Incorporated No.2, Ziqiang 5th Rd., Zhongli Zhongli Dist., Taoyuan City 320 TEL: 886-3-451-8888 FAX: 886-3-461-3865 https://www.diodes.com		R.O.C.) *R *H	oHS Exception F-Halogen Free EACH Compliant	

G2 Series 2.0x6.0mm Cylinder Through Hole Quartz Crystal

G23270015

VER. B 17-Apr-18

VERSION HISTORY

Version No.	Version Date	Description	Notes
А	Jun.13,2011	Initial Release	
В	Apr.17,2018	Updated logo	



G2 Series 2.0x6.0mm Cylinder Through Hole Quartz Crystal G23270015 VER. B 17-Apr-18

ELECTRICAL SPECIFICATIONS

SRe Part Number: G23270015

Parameters	Symbol	Specifications	Units	Notes
Nominal Frequency	Fn	32.768	KHz	
Mode of Oscillation	MO	Fundamental		+2° X-Cut
Drive Level	DL	1	μW	Max.
Load Capacitance	CL	6	pF	Typical
Frequency Tolerance	FT	±20	ppm	at 25°C ± 5°C
Operating Temperature Range	TR	-40 to +85	°C	
Equivalent Series Resistance	ESR	50	KΩ	Max.
Temperature Coefficient	К	-0.035	ppm/°C ²	Typical
Aging		± 3	ppm	Max 1st year
Insulation Resistance		500	MΩ	at DC 100V ± 15V

Reliability (Mechanical and Environmental Endurance)

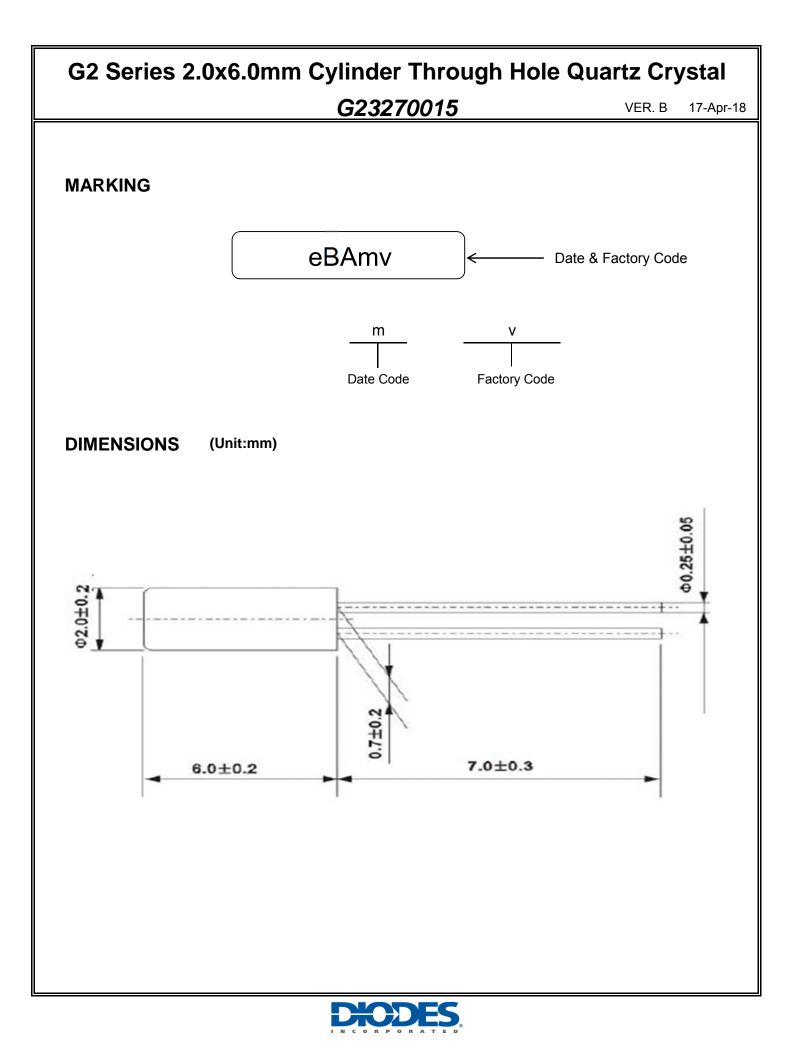
No.	Test Items	Test Method and Condition	Requirements
1	Vibration	(1) Vibration Frequency: 10 to 55Hz	Frequency Change: ±10ppm Max.
		(2) Vibration Amplitude: 1.5mm	Resistance Change:5kohm Max.
		(3) Cycle Time: 1-2min(10-55-10Hz)	
		(4) Direction: X.Y.Z	
		(5) Duration: 2h/each direction	
2	Shock	3 Times free drop from 75cm height to hard wooden	Frequency Change: ±10ppm Max.
		board of thickness more than 30mm	Resistance Change:5kohm Max.
3	Leakage	Put crystal units into a hermetic container and	Leakage: 1x10 [−] 8Pa·m1/s Max.
		Helium for 0.5-0.6Mpa, and keep it for 1h;	
		Check the leakage by a Helium leak detector	



G2 Series 2.0x6.0mm Cylinder Through Hole Quartz Crystal G23270015 VER. B 17-Apr-18

4 Lead Strength		The crystal lead with the 0.9kg(9N) power (keep it for	The crystal lead is not abnormity
	(DIP)	30s±5s) and bend the crystal lead 90° with 0.45kg	
		power and two times	
5	High Temperature	The crystal units shall be put in somewhere for 2 hrs	Frequency Change: ±10ppm Max.
	Endurance	at temperature of $85^{\circ}C \pm 2^{\circ}C$, then keep it for 1 to 2 hrs	Resistance Change:5kohm Max.
		under room temperature.	
6	Low Temperature	The crystal units shall be put in somewhere for 2 hrs	
	Endurance	at temperature of -25 $^\circ\!\!{}^\circ\!\!{}^\circ$, then keep it for 1 to 2 hrs	
		under room temperature.	
7	Humidity	The crystal units shall be put in somewhere at 40 $^\circ\!\!\mathbb{C}$	
	Endurance	in relative humidity of 90-95% for 48 hrs, then keep	
		it for one or two hours under room temperature.	
8	Temperature	Temperature shift from low(-40 $^\circ\!\mathrm{C}$) to high(100 $^\circ\!\mathrm{C}$, keep	
	Cycle	30 mins), satisfy high(100 $^\circ\!{\rm C}$) to low(-40 $^\circ\!{\rm C}$, keep	
		30 mins), then go up to room temperature for 5 cycles.	
10	Salt Spray Test	Put the crystal units in the salt spray room (salt	The appearance shall has no abnormity
		density: 5%) at the temperature of 35 $^\circ\!\mathrm{C}$ for 96 hrs.	and soldering is good.
		Then clean it with water and dry its surface.	Frequency Change: ±10ppm Max.
			Resistance Change:5kohm Max.



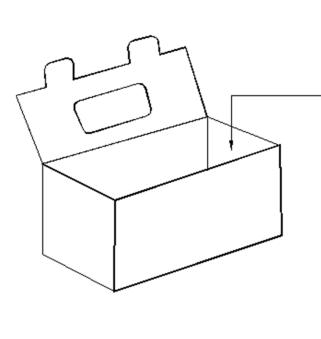


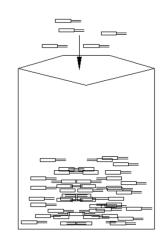
G2 Series 2.0x6.0mm Cylinder Through Hole Quartz Crystal

G23270015

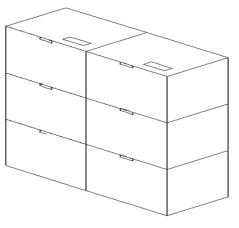
VER. B 17-Apr-18

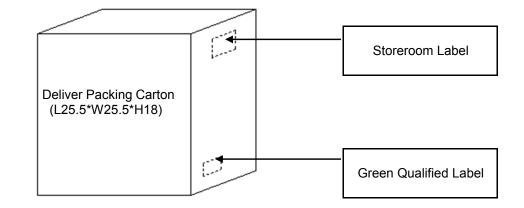
PACKING





Quantity for Each Bag : 1000 pcs







单击下面可查看定价,库存,交付和生命周期等信息

>>Diodes Incorporated(达迩科技(美台))