

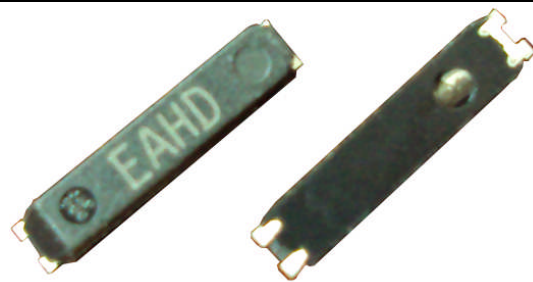
Quartz Crystal Series

SMD7015B

Features

◆ RoHS
Compliant

◆ Ceramic
7.0*1.5*1.4mm



Electrical Specifications

Item	Specifications	Remarks
Series	SMD7015B	
Nominal Frequency Range	32.768KHz	Standard
	30KHz to 150KHz	Available
Frequency Tolerance	±20ppm(Standard)	Others are offered
Temperature Coefficient	-0.034±0.006ppm/°C ²	
Turn Over Temperature	25°C±5°C	
Operating Temperature Range	-20°C to +70°C; -40°C to +85°C	
Storage Temperature Range	-55°C to +125°C	
Series Resistance	60KΩ	32.768KHz
Shunt Capacitance	0.8pF	Typical
Capacitance Ratio	518	Typical
Load Capacitance	12.5pF(Standard)	6pF to 12.5pF
Drive Level	1.0μW	Maximum
Insulated Resistance	500MΩ	Minimum at 100Vdc
Aging	±2ppm/year	Maximum

ESR(Series Resistance)

Frequency(KHz)	Mode	K Ω Max	Frequency(KHz)	Mode	K Ω Max
30.0~40.0	Fund	60	100.1~120.0	Fund	30
40.1~60.0	Fund	50	120.1~150.0	Fund	25
60.1~100.0	Fund	40			

Stability vs. Temperature

◆ Standard		1	2	3	5	8	7	Remarks
◇ Please specify		±10ppm	±20ppm	±30ppm	±50ppm	±80ppm	±160ppm	
C	-20°C to +70°C	◇	◆	◇	◇	◇	◇	Standard
D	-40°C to +85°C		◇	◇	◆	◇	◇	

Ordering Information

Q	R	Type	Pin	XX.XXXX	K	Mode	CL pF	Freq.Tolerance at 25°C	Operating Temp.	Stability Vs.Temp.	Option
---	---	------	-----	---------	---	------	-------	------------------------	-----------------	--------------------	--------

Q: Quartz 71: 7.0*1.5mm B: 4Pins Center frequency 30 to 150KHz K: KHz F: Fund.;AT See Table ±10ppm to ±50ppm See Table See Table F: Lead Free T: T&R Blank: Bulk

Example: QR71B32.7680KFS2C2F (Crystal, SMD 7015B, 32.768KHz, 4pins, 12.5pF, +/-20ppm, -20 to +70deg, +/-20ppm. T&R, Lead free)

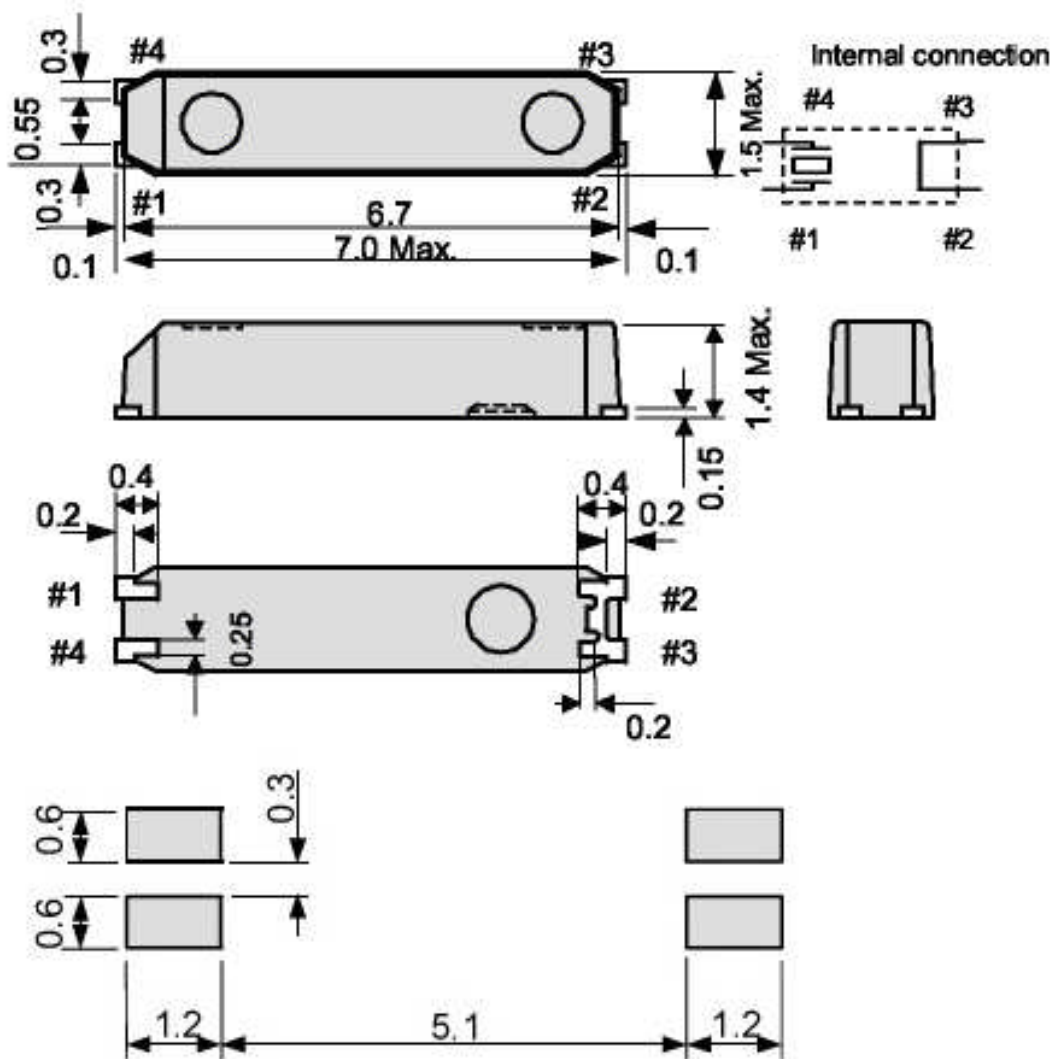
Quartz Crystal Series

SMD7015B

Load Capacitance Codes

6pF:	A	7pF:	E	8pF:	F	9pF:	B
10pF:	R	12pF:	T	12.5pF:	S		

Dimensions



UNIT:mm

Reflow Soldering Profile

