

Research for Frequency Products

Description

This is AT-cut Stripe crystal unit in Low-low profile thru-hole hermetical seal metal package. This crystal is suitable for Universal applications in CPU clock, iDTV, DBS, WLAN, Automotive.... Coverage wide frequency between 3.2768MHz ~ 100MHz. Parts are supplied 1000pcs in bulk pack as standard. Ammo Pack and Taped & Reel optional.

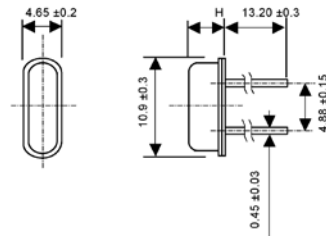
Features

Thin package height 2.5mm
Tight Tolerance $\pm 5\text{ppm}$ at room temp. available
Tight Stability $\pm 2.5\text{ppm}$ available
Low crystal impedance
Low cost for manual PCBA or auto-insertion
RoHS Compliant

Crystal Unit Low Low Profile
10.7x4.7x 2.5(H)mm Thru-Hole
3.2768MHz ~ 100.000MHz



Outlines and Dimensions



H : 2.5mm Max.

Standard Parameters

Parameter	Specifications
Frequency Range	3.2768MHz ~ 100.00MHz
Vibration Mode	Fundamental/3 rd Overtone
Frequency Tolerance @25°C	$\pm 30\text{ppm}$ ($\pm 5\text{ppm}$ option)
Frequency Stability vs Temp Range	$\pm 50\text{ppm}$ ($\pm 2.5\text{ppm}$ option)
Operating Temp. Range	-10~+60 °C or -20~+70 °C
Load Capacitance (pF)	8 ~ 32pF or Series
Drive Level	100μW Max.
Shunt Capacitance	7.0pF Max.
Insulation Resistance	500MΩ Min. @ 100VDC
Aging per year	$\pm 5\text{ppm}$
Storage Temp. Range	-40 ~ 125 °C

Equivalent Series of Resistance

Frequency (MHz)	ESR (Max)
3.2768	200
3.5795 ~ 3.999	150
4.000 ~ 4.999	120
5.000 ~ 5.999	100
6.000 ~ 9.999	80
10.000 ~ 11.999	60
12.000 ~ 13.999	50
14.000 ~ 29.999	40
30.000 ~ 38.000	30
38.001 ~ 100.000 3 rd Overtone	80



Subject to change without notice



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