

# PRODUKT-INFO

## CT-3215 SMD CRYSTAL (UHRENQUARZ) TUNING FORK CRYSTAL

### FEATURES

1. Ceramic package of tuning fork crystal units.
2. Ultra miniature and thin type. Best for high density circuit boards.

### APPLICATION

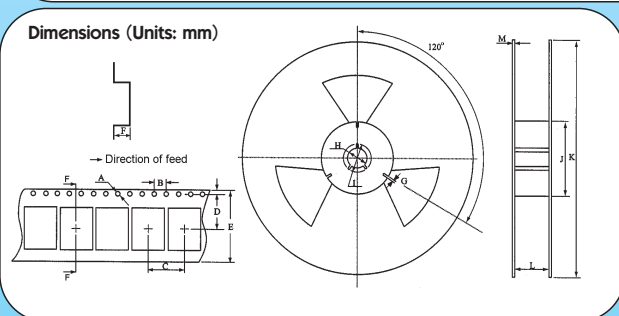
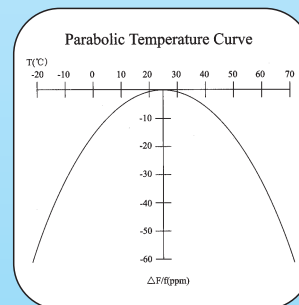
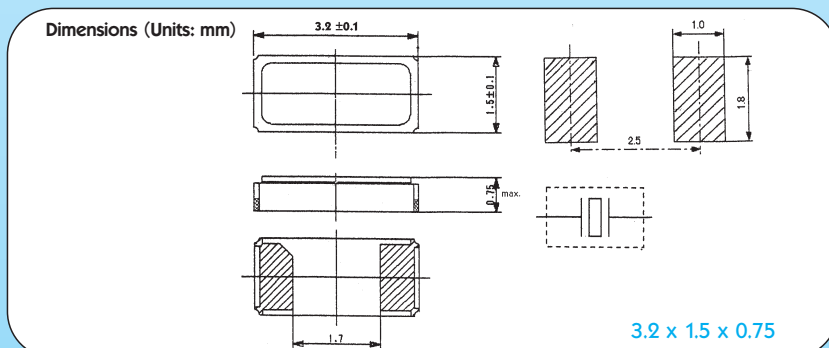
Its low power consumption makes it ideal for application in portable equipments. Perfect for Pb-free products.



Actual Size



ELECTRICAL SPECIFICATIONS	
Model	CT-3215
Nominal Frequency	32.768 kHz
Frequency Tolerance (at +25°C)	±20 ppm
Load Capacitance (C <sub>L</sub> )	12.5 pF typical
Temperature Coefficient	-0.035 ±0.008 ppm/°C <sup>2</sup> typical
Equivalent Series Resistance (at +25°C)	70 kΩ max.
Drive Level	1 μW max.
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-55°C to +125°C
Turnover Temperature	+25°C ±5°C
Insulation Resistance	500 MΩ at 100 V <sub>DC</sub> ±5 V
Shunt Capacitance	1.6 pF typical
Motional Capacitance	3.6 pF typical
Q-Factor	30000 typical
Aging (at +25°C) first year	±3 ppm / year max.



TAPE & REEL SPECIFICATION							
Model	A	B	C	D	E	F	Qty/Reel
CT-3215	Ø1.50	4.0	4.0	3.5	8.0	0.85	3000
Model	G	H	I	J	K	L	M
CM-3215	2.0	Ø13.0	Ø16.0	Ø60.0	Ø180	9.0/11.4	1.0/1.6

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All specifications subject to change without notice.