



2016 Ceramic SMD Crystals

■ Holder Type: CQ (4 pads 2.0×1.6)

Frequency Range:

16.00MHz to 72.00MHz

Features:

- High Reliability & Low Cost Unit
- Tight Stability & Extended Temperature Available
- Lead-free Type



Actual Size



QUARTZ
CRYSTALS

■ Standard Specifications

Item	Value
Frequency Range	16.00 to 72.00MHz
Frequency Tolerance	±30ppm (tighter tolerance also available)
Frequency Tolerance over Temperature range	±50ppm (tighter tolerance also available)
Operating Temperature Range	-10 °C to +60 °C (other operating range also available)
Operable Temperature Range	-40 °C to +85 °C
Equivalent Series Resistance (ESR)	Please refer to the ESR Table
Drive Level	50µW Typ. (100µW Max.)
Load Capacitance	8pF (3pF, 4.5pF, 6pF and series also available)
Ageing	±5ppm/year

■ ESR Table

Frequency Range (MHz)	Mode	Standard ESR (Ohm)
16 to 20	AT Cut Fund.	200
20 to 25	AT Cut Fund.	120
25 to 40	AT Cut Fund.	100
40 to 72	AT Cut Fund.	60

Note:

1. Manufacturer reserves the right to change the specification and content of this product for improvement without notification.
2. Custom specification is welcome. Please contact our sales representative for further details.
3. If the crystal is intended for applications which have direct impact on human life and properties, and require a high degree of reliability and safety concerns, customers must provide full information such as but not limit to the application, electrical and reliability specification at the inquiry beginning stage.
4. Customers have to agree to the "Guideline for handling crystal units" and "Standard Terms and Condition of Sales" which is printed this catalog before placing orders to our company or our distributors. There are also unpredictable factors such as applied condition, oscillation margin and etc and customers must check them beforehand. In case of queries, please do not fail to send inquiry to our company before ordering.

<http://www.hongkongcrystal.com>
 E-mail: China: sales.cn@hongkongcrystal.com
 HongKong/Overseas: inquiry@hongkongcrystal.com

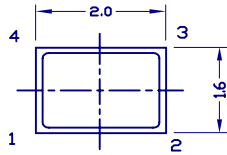
HongKong/Overseas:
 Shenzhen: T: +86

TELCONA

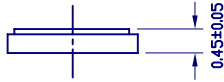
TELCONA AG • Im Vorderasp 4 • CH-8154 Oberglatt • Switzerland
 Tel. +41 (0) 44 860 25 50 • Fax +41 (0) 44 860 28 22
info@telcona.com • www.telcona.com



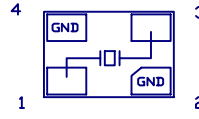
■ Dimensions (mm) and Solder Pad Layout (mm)



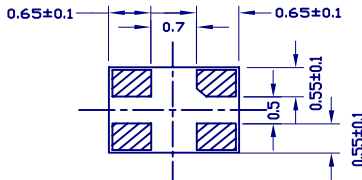
TOP VIEW



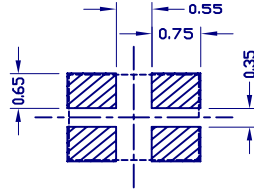
FRONT VIEW



INTERNAL CONNECTION
REMARK: 1,3 -CRYSTAL
2,4 - GND



BOTTOM VIEW



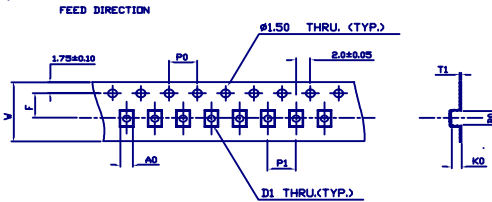
RECOMMENDED LAND PATTERN

MARKING INFORMATION

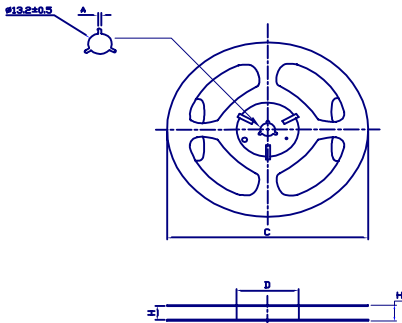


XXXXXX = CRYSTAL FREQUENCY
YYYYYYY - 2~7 DIGITS TRACEABILITY CODE

■ Tape & Reel (mm)



SECTION A-A



		2.0x1.6 C2 SMD
T A P E	V	8.0±0.20
	P1	4.0±0.1
	A0	1.90±0.1
	B0	2.30±0.1
	K0	0.65±0.1
	P0	4.0±0.1
	F	3.50±0.05
	D1	Ø1.05±0.10
	T1	0.25±0.05
	R E E L	C
A		2.5 ^{±0.1}
D		Ø60.2±0.5
H		9.0±0.3
HI		12±1.4
STANDARD PACKING QTY/REEL		3000PCS
MARKING		