Quartz Crystal Specification
CYL(3X9)

ISSUE 15; March 2016

Description

- Cylinder 3x9mm
  Leaded crystal
  Press sealed metal can

Frequency Parameters

Frequency	4.0MHz to 60.0MHz
Frequency Tolerance	±50.00ppm
Frequency Stability	±50.00ppm
Ageing	±5ppm max in 1st Year

Electrical Parameters

Load Capacitance (CL)	16.0pF
Shunt Capacitance (C0)	5pF typical
Drive Level	100µW max

Operating Temperature Ranges

- -20 to 70°C

Environmental Parameters

- Storage Temperature: -55°C to 125°C

Ordering Information

- Frequency*
  Model*
  Frequency Tolerance (@25°C)*
  Frequency Stability (over operating temperature range)*
  Operating Temperature Range*
  Load Capacitance*
  Overtone*
- Example
  10.0MHz CYL(3x9)
  50/50/–20 to 70C/16 FUND

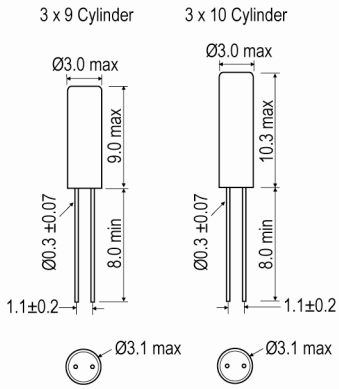
Compliance

RoHS Status (2011/65/EU)	Compliant
REACh Status	Compliant
MSL Rating (JDEC-STD-033):	Not Applicable

Packaging Details

- Pack Style: Bulk Loose in bulk pack
  Pack Size: 100

Outline (mm)



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Electrical Specification - maximum limiting values

Frequency Min	Frequency Max	Temperature Range	Stability (Min)	Over Tone Order	ESR
		°C	ppm		Ω
4.0MHz	4.999999MHz	-20 to 70	±50	Fundamental	150
5.0MHz	5.999999MHz	-20 to 70	±50	Fundamental	120
6.0MHz	6.999999MHz	-20 to 70	±50	Fundamental	100
7.0MHz	8.999999MHz	-20 to 70	±50	Fundamental	80
9.0MHz	14.999999MHz	-20 to 70	±50	Fundamental	60
15.0MHz	19.999999MHz	-20 to 70	±50	Fundamental	50
20.0MHz	36.0MHz	-20 to 70	±50	Fundamental	40
32.0MHz	60.0MHz	-20 to 70	±50	3rd Overtone	70

**Stability Maximum values ±50ppm*

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