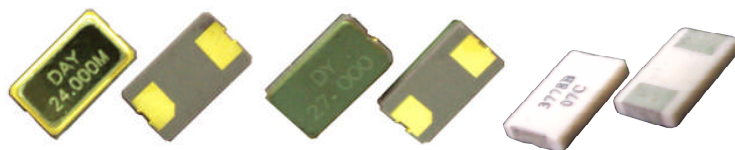


Quartz Crystal Series

6035A

Features

◆RoHS ◆Ceramic
Compliant /metal package



Electrical Specifications

Item	Specifications	Remarks
Nominal Frequency Range	8.000MHz to 52.000MHz	Fund.; AT-Cut
	40.000MHz to 133.000MHz	3 rd O.T.;AT-Cut
Frequency Tolerance	±20ppm(Standard) at 25°C±3°C	Others are offered
Load Capacitance	Fund.:10pF to ∞,O.T.:5pF to ∞	Please specify
Series Resistance	As ESR table	
Shunt Capacitance	7pF Max	
Drive Level	10μW to 100μW	1000μW Max
Operating Temperature	-20°C to +70°C (Standard)	Others are offered
Storage Temperature	-55°C to +125°C	
Stability vs. Temperature	±20ppm(Standard)	Others are offered
Insulated Resistance	500MΩ	Minimum
Aging	±2ppm/year	Maximum

ESR(Series Resistance)

Frequency(MHz)	Mode	Ohm Max	Frequency(MHz)	Mode	Ohm Max
8~16	Fund.;AT	80	40~80	3 rd O.T.;AT	80
16~52	Fund.;AT	50	80~133	3 rd O.T.;AT	70

Stability vs. Temperature

◆ Standard		1	2	3	5	6	7	Remarks
◇ Please specify		±10ppm	±20ppm	±30ppm	±50ppm	±15ppm	±25ppm	
B	-10°C to +60°C	◇				◇		
C	-20°C to +70°C	◇	◆	◇	◇	◇	◇	Standard
D	-40°C to +85°C		◇	◇	◆	◇	◇	

Ordering Information

Q	R	Type	Pin	XX.XXXX	M	Mode	CL pF	Freq.Tolerance at 25°C	Operating Temp.	Stability Vs. Temp.	Option
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Q:Quartz 63: A:2 Center frequency M: F:Fund.;AT See ±10ppm to See Table See Table F:Lead Free
R:Resonator 6.0*3.5mm 8.0 to 133.0MHz MHz O: 3rd O.T.;AT Table ±50ppm

Example:QR63A13.5600MFT1C1F

(Crystal,SMD6.0*3.5mm,2pins,13.5600MHz,12pF,+/-10ppm,-20 to +70deg,+/-10ppm.T&R,Lead free)

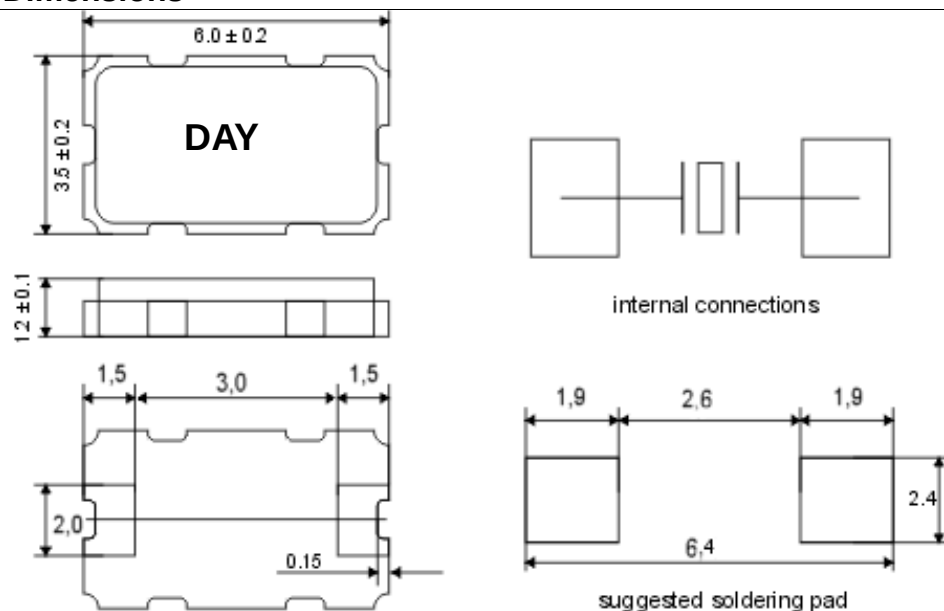
Quartz Crystal Series

6035A

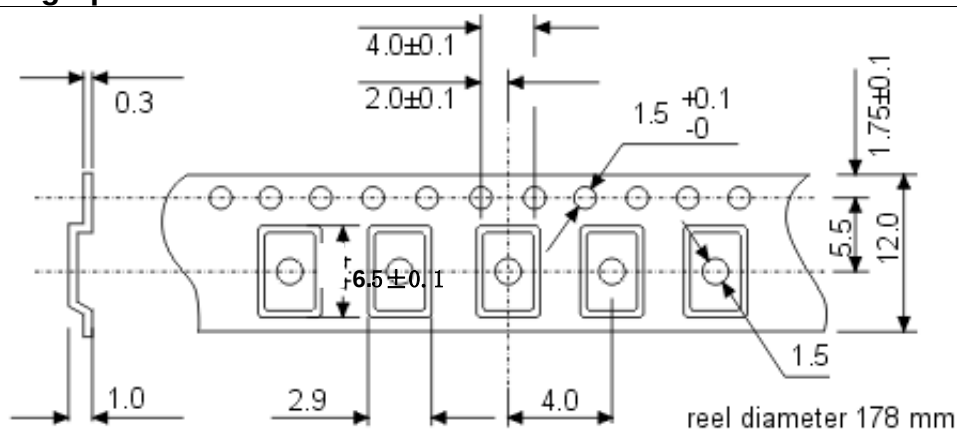
Load Capacitance Codes

7pF: E	8pF: F	9pF: B	10pF: R
12pF: T	15pF: H	16pF: I	18pF: J
20pF: K	22pF: L	25pF: G	27pF: M
30pF: N	32pF: P	33pF: W	Series: S

Dimensions



Taping Specification



1000pcs/Reel

Quartz Crystal Series

6035A

Reflow Soldering Profile

