



Quartz Crystal Series	Features	
<h1 style="font-size: 2em;">6035B</h1>	◆ RoHS Compliant ◆ Ceramic /metal package	

Electrical Specifications		
Item	Specifications	Remarks
Nominal Frequency Range	8.000MHz to 52.000MHz 40.000MHz to 133.000MHz	Fund.; AT-Cut 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	5pF 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

Q:Quartz 63: B:4 Center frequency M: F:Fund.;AT See Table ±10ppm to ±50ppm See Table See Table F:Lead Free
 R:Resonator 6.0*3.5mm 8.0 to 133.0MHz MHz O: 3rd O.T.;AT

Example:QR63B13.5600MFT1C1F

(Crystal,SMD6.0*3.5mm,4pins,13.5600MHz,12pF,+/-10ppm,-20 to +70deg,+/-10ppm.T&R,Lead free)

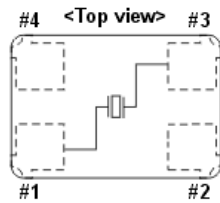
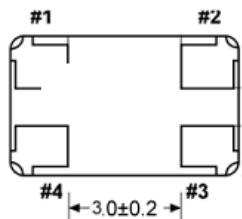
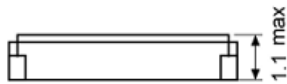
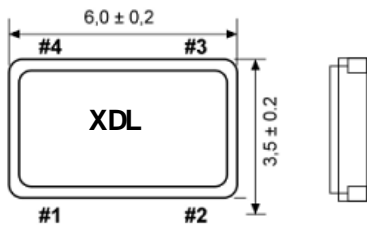
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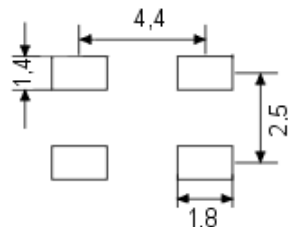
Load Capacitance Codes

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



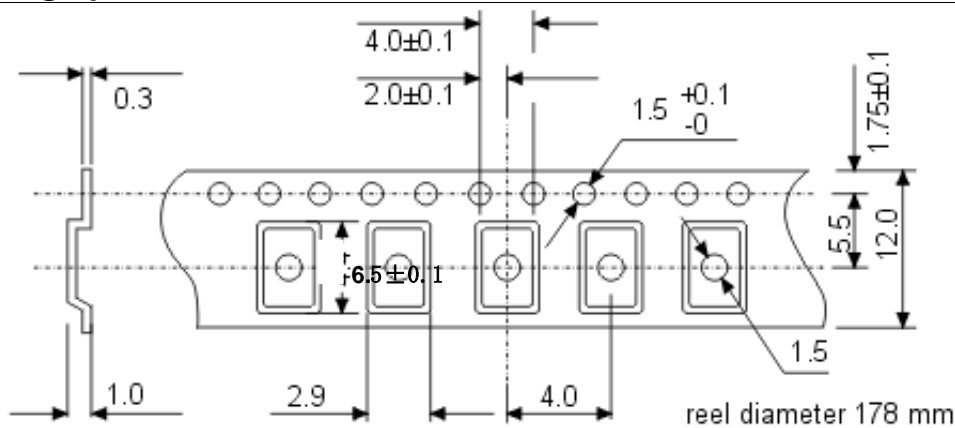
#2 & #4: Grounded to lid)
internal connections



suggested soldering pad

Unit:mm

Taping Specification



reel diameter 178 mm

1000pcs/Reel

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Reflow Soldering Profile

