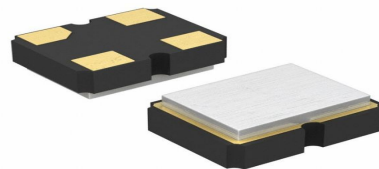


SMD2016

Features

A small surface-mounttype crystal unit, ideal for OA, AV and Accessories for a car, which need performance for wide temperature range.

- Compact and thin. (2×1.6×0.35mm typ.)
- Excellent electrical performance, ideal for OA and AV applications.
- Excellent environmental performance, including heat and shock resistance.
- Meets the requirements for re-flow profiling using lead-free solder.



Specifications

项目Item	技术Specifications	备注Remarks
频率范围Freq. Range	24.000MHz to 80.000MHz	Fund. ;AT-Cut
调整频差Freq. Tol.	±20PPm (Standard) at 25°C ±3°C	Others are offered
负载电容Load Capacitance	Fund. ;8pF to 12pF	明确注释please specify
Series Resistance	As ESR table	
Storage Temperature	±20PPm (Standard)	可依实际而定Others are offered
工作温度Operaing Temp	-20°C to 70°C (Standard)	可依实际而定Others are offered
储存温度Storage Temp	-55°C to 125°C	
最大值Max, drive level	1000 μW	
建议使用Rec, drive level	200 μW	
静电容 Shunt Capacitance	3pF Max	
绝缘电阻 Insulation Resistance	500mΩ Min	Minimum
老化率Aging	±2PPm/Year Max	Maximum

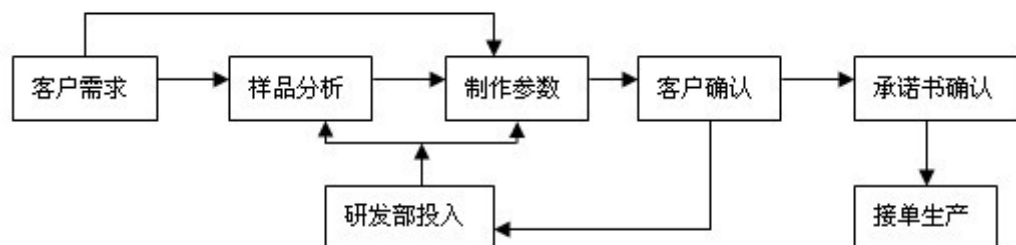
ESR (Series Resistance)

Frequency (MHz)	Mode	Ohm Max	Frequency (MHz)	Mode	Ohm Max
24.000~26.000	Fund. AT	80	40.001~80.000	Fund. AT	50
26.001~40.000	Fund. AT	60			

Stability vs. Temperature

★Standard	1	2	3	5	6	7	Remarks
☆Please specify	±10ppm	±20ppm	±30ppm	±50ppm	±100ppm	±150ppm	
B -10°C to +60°C	☆				☆		
C -20°C to +70°C	☆	★	☆	☆	☆	☆	Standard
D -40°C to +85°C		☆	☆	★	☆	☆	

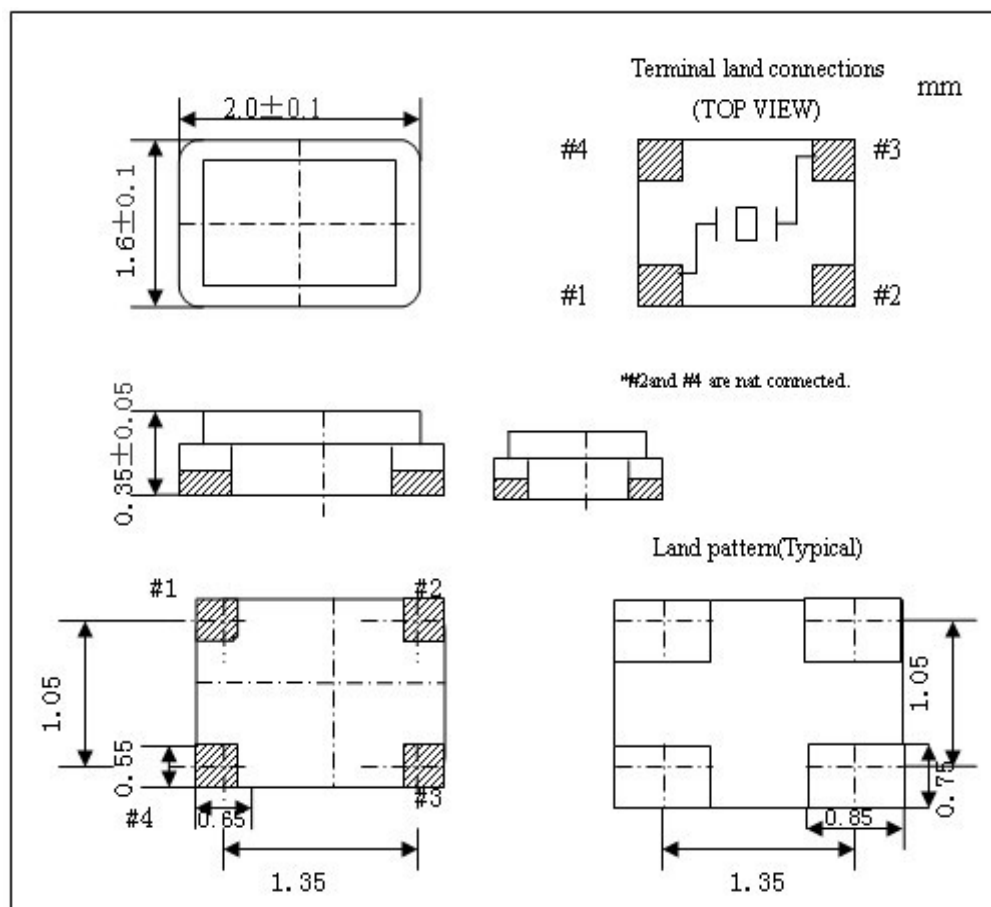
Ordering Information



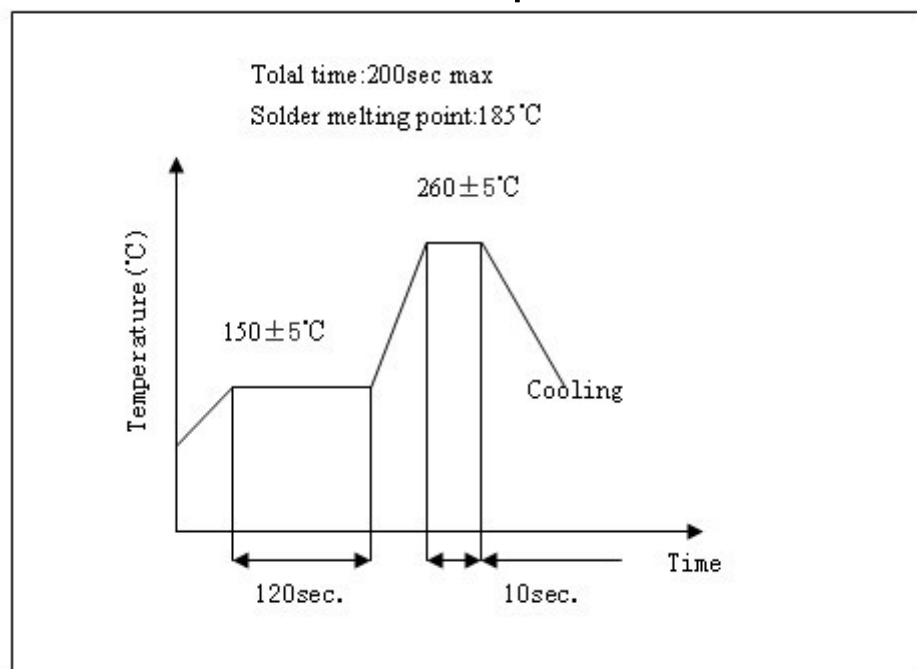
Load Capacitance Codes

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

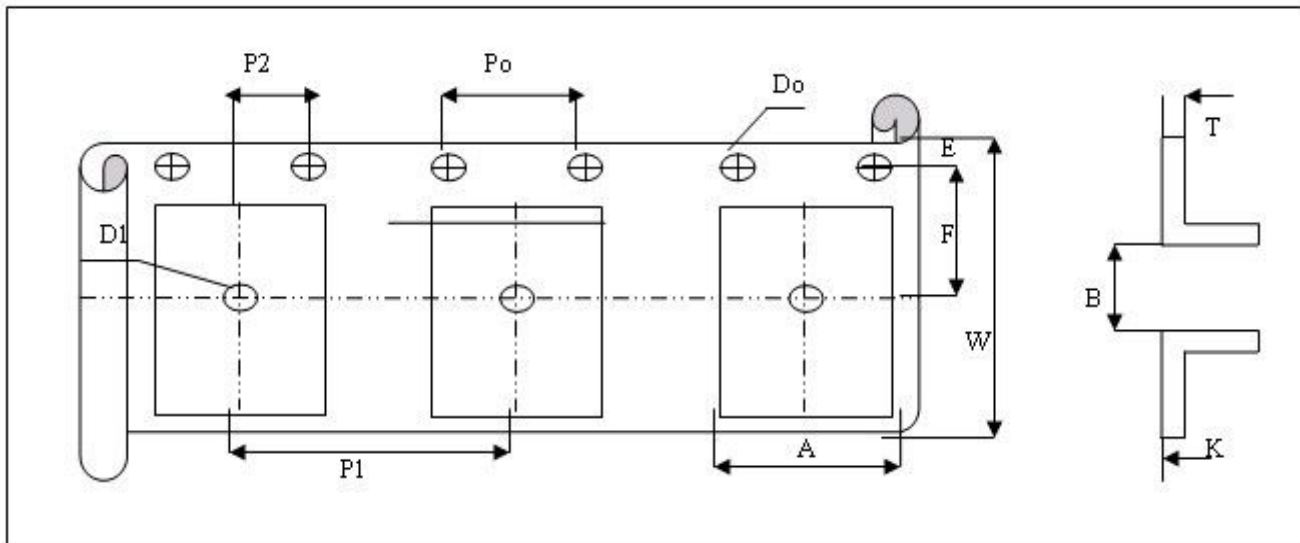
■ Dimensions



■ Reflow Condition (example)

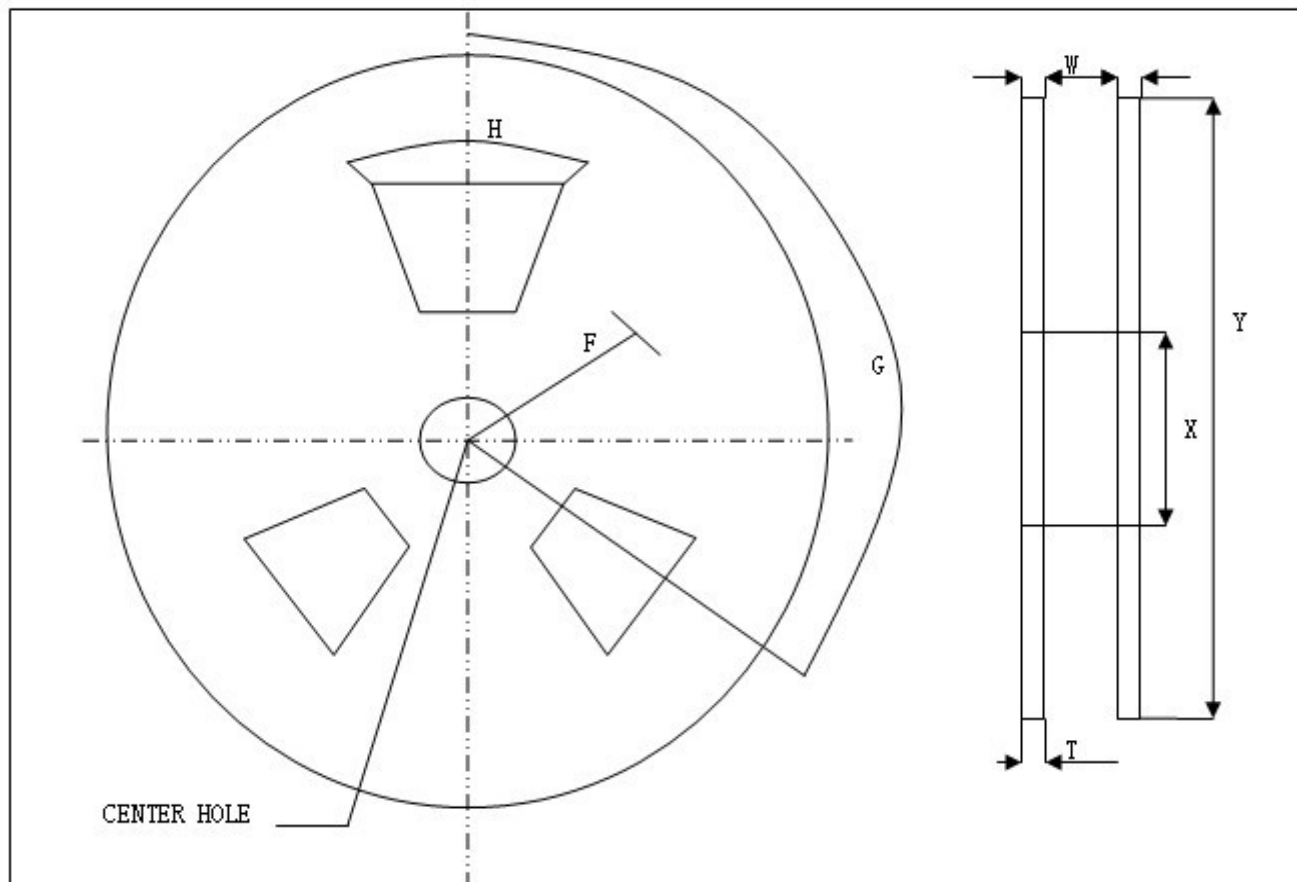


■ Taping Specification



Symbol	A	B	Do	D1	E	F
DIMENSION 2.0*1.64	2.8	2.2	1.5	1	1.75	3.5
Symbol	K	Po	P1	P2	T	W
DIMENSION 2.0*1.64	1	1.8	8	0.9	0.25	8

Unit:mm



Symbol	H	F	G	W	T	X	Y
Dimension 2.0*1.64	40°	21±0.8	120	17.5	2	50	250