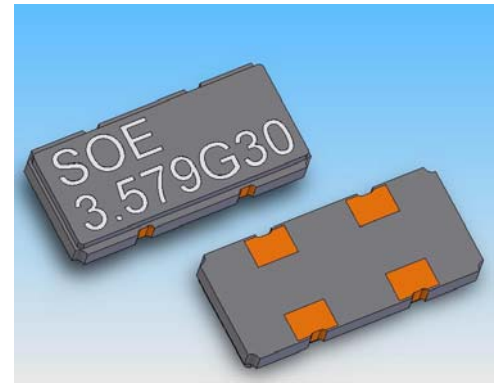


C4 Type Crystal



Features

- Typical 11.8 x 5.5 x 1.55 mm ceramic SMD package.
- High temperature glass sealed.
- Rough vacuum inside for reduced ESR and good aging.
- Tape & Reel packaging for automatic assembly.
- Excellent anti-shock performance.
- **Lead Free and RoHS compliant**

ORDERING GUIDANCE

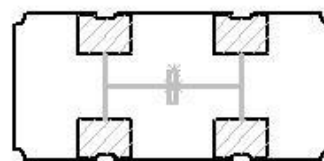
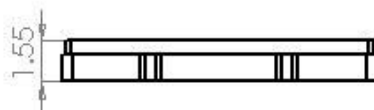
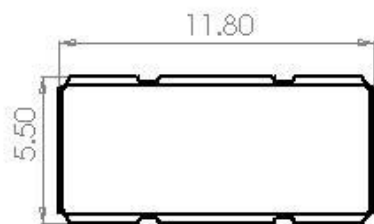
Product Type	-	Oscillation Mode	Calibration Tolerance (ppm)	Temperature Stability (ppm)	Operation Temp Range (°C)	Load Capacitance (pF)	-	Frequency (MHz)
Code: Meaning	Dash	Code: Meaning	Code: Meaning	Code: Meaning	Code: Meaning	Code: Meaning	Dash	
C4: 11.8x5.5 SMD Crvstal		1: Fund 3: 3 rd OT	A: ±10 B: ±15 C: ±20 D: ±30 F: ±50 H: ±25 XX: Special	1: ±10 2: ±15 3: ±20 4: ±30 5: ±50 6: ±100 9: ±25 00: Special	A: -10~+60 B: 0~+70 C: -20~+70 D: -40~+85 F: -10~+70 H: 0~+60 I: -20~+60	0: Series XX: CL Value In pF		XXX.XXXXXX
Ordering Example: C4-1D4B20-3.6864								
11.8x5.5 SMD crystal, Fund, ±30ppm@25°C, ±30ppm/0°C~+70°C, CL=20pF, 3.6864MHz								
Note: If any other requirements are needed, they should be specified in customers' order.								

Electrical Specification

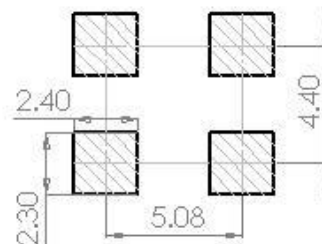
Storage Temp. Range	-55°C to +125°C
Drive Level(DL)	50uW typ., 500uW Max.
Shunt Capacitance(C0)	7.0pF Max.
Insulation Resistance(IR)	500MΩ Min. @ 100V DC
Aging	±3ppm/year

Equivalent Series Resistance(ESR)

Frequency (MHz)	Mode	Max ESR (Ohms)
3.200 – 4.000	Fund	120
4.001 – 6.000	Fund	100
6.001 – 8.000	Fund	80
8.001 – 12.000	Fund	60
12.001 – 25.000	Fund	40
26.000 – 40.000	3 rd O/T	100
40.001 – 70.000	3 rd O/T	80



Suggested Solder Pad Layout



All Dimensions in mm