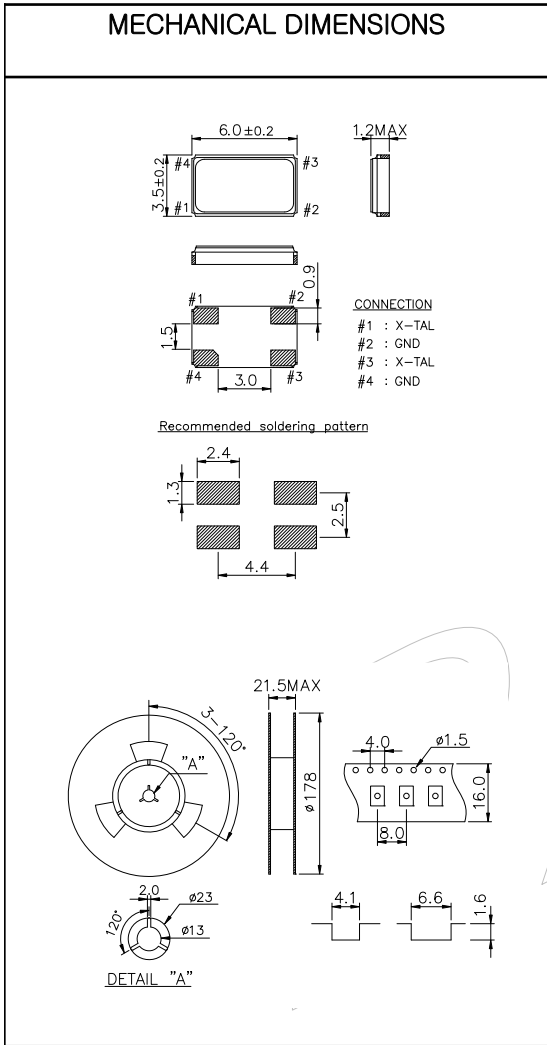
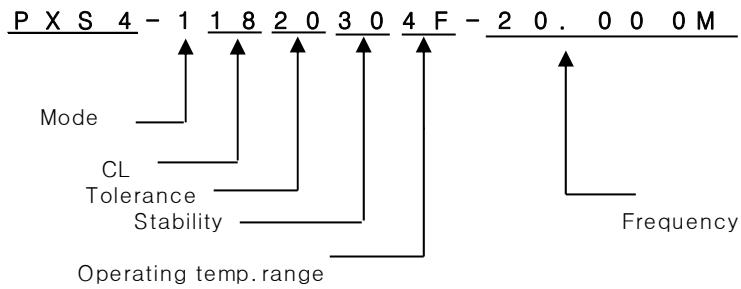


X-TAL

PXS4 : 6.0*3.5mm
SMD PACKAGE

* PART NUMBERING GUIDE



ELECTRICAL SPECIFICATION

| | | |
|--|---|--|
| Frequency Range | 8.000MHz to 48.000MHz | |
| Load Capacitance(CL) | See Table1 | |
| Oscillation Mode | 1 : Fundamental 3 : 3 rd . overtone | |
| Frequency Tolerance at 25°C (RT) | Standard ±10.0ppm See Table2 | |
| Frequency Stability over Operating temperature range(TC) | Standard ±30.0ppm/-40~85°C See Table3 | |
| Temperature Range Operating(TR) Storage | See Table 4 -55°C to +125°C | |
| Drive Level(DL) | 200 uW max. | |
| Shunt Capacitance(C0) | 4.0pF max | |
| Aging | ±2.0ppm per year max | |
| Insulation Resistance(IR) | 500MΩ min at 100Vdc | |

| Frequency Range(MHz) | ESR(Ω max) | Mode |
|----------------------|------------|---------|
| 8.000~16.000 | 80 | AT FUND |
| 16.001~30.000 | 40 | AT FUND |
| 30.001~40.000 | 30 | AT FUND |
| 40.000~ | 80 | 3rd O/T |

| Table1 | | Table2 | | Table3 | | Table4 | | | |
|------------------|--------|---------------------|---------|---------------------|---------|-----------------------|--------|--------|--------|
| Load Capacitance | | Frequency Tolerance | | Frequency Stability | | Operating Temp. Range | | | |
| Symbol | CL(pF) | Symbol | RT(ppm) | Symbol | TC(ppm) | Symbol | TR(°C) | Symbol | TR(°C) |
| 08 | 8 | 10 | ±10 | 30 | ±30 | 0 | 0 | A | +50 |
| 10 | 10 | XX | ±XX | XX | ±XX | 1 | -10 | B | +60 |
| 18 | 18 | | | | | 2 | -20 | C | +70 |
| 30 | 30 | | | | | 3 | -30 | D | +75 |
| S | Series | | | | | 4 | -40 | E | +80 |
| XX | XX | | | | | | | F | +85 |
| | | | | | | | | | |