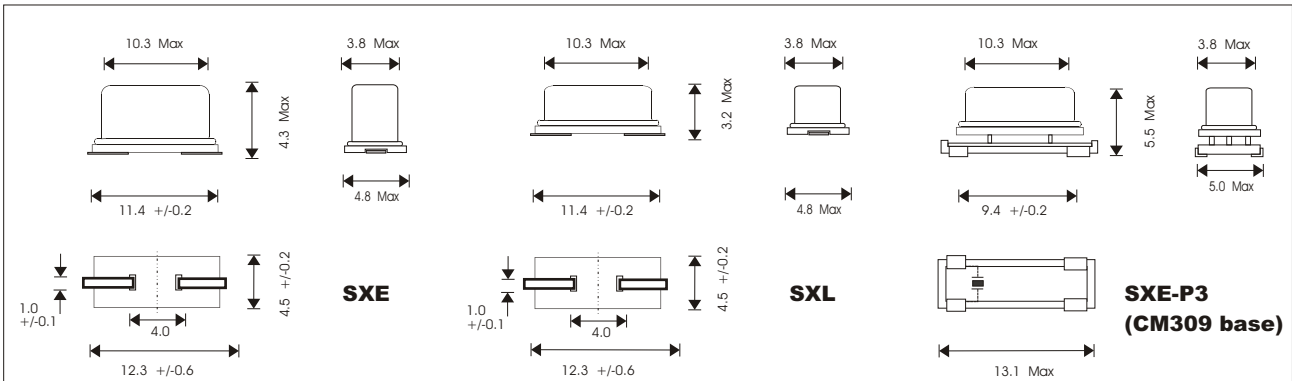


Metal Encapsulated SMD Crystals



Surface Mounted Quartz Crystal Resonators



FEATURES

- Standard Frequencies Ex-Stock
- Low Cost Solution
- Standard I.C Height
- Short Lead-Time

APPLICATIONS

- Microprocessor Systems
- Datacommunications
- Consumer Electronics
- Automotive Electronics

STANDARD SPECIFICATION

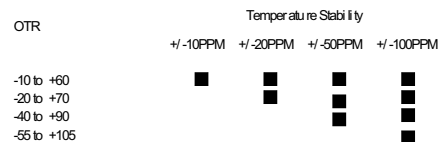
Frequency Range: 3.20 MHz to 70.00 MHz *
 Adjustment Tolerance at 25°C: 30PPM Max.
 Frequency Stability: 50PPM Max.
 Operating Temperature Range: -10°C to +60°C
 Load Capacity: 30pF
 E.S.R: See Table
 Drive level: 100 MicroWatt
 Ageing: 5PPM 1st Year Max.

Frequency Range	E.S.R	Mode
3.2 MHz ~ 3.49 MHz	200	Fund
3.5 MHz ~ 3.99 MHz	140	Fund
4.0 MHz ~ 4.39 MHz	120	Fund
4.4 MHz ~ 4.89 MHz	100	Fund
4.9 MHz ~ 5.99 MHz	80	Fund
6.0 MHz ~ 6.99 MHz	60	Fund
7.0 MHz ~ 7.99 MHz	50	Fund
8.0 MHz ~ 10.99 MHz	45	Fund
11.0 MHz ~ 11.99 MHz	40	Fund
12.0 MHz ~ 14.99 MHz	35	Fund
15.0 MHz ~ 36.00 MHz	30	Fund
27.0 MHz ~ 70.00 MHz	100	3 O/T

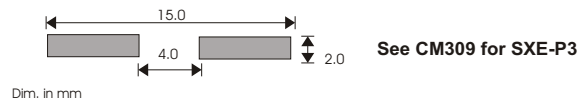
AVAILABLE OPTIONS

Frequency Range: 3.2 MHz ~ 70.0 MHz
 Adjustment Tolerance: 10PPM ~ 100PPM
 Load Capacity: Series or 9pF ~ 50pF
 Tape & Reel: 1,000pcs/Reel

Frequency Stability vs Operating Temperature Range



Suggested Solder Pad Layout



Solder Conditions

Hand Solder	280°C ~ 350°C 3 Secs
Solder Dip	240°C 5 Secs Max
Reflow Soldering PreHeat	140°C (10°C) 100 Secs Max
Reflow	Over 200°C 25 Secs Max 230°C 5 Secs Max



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