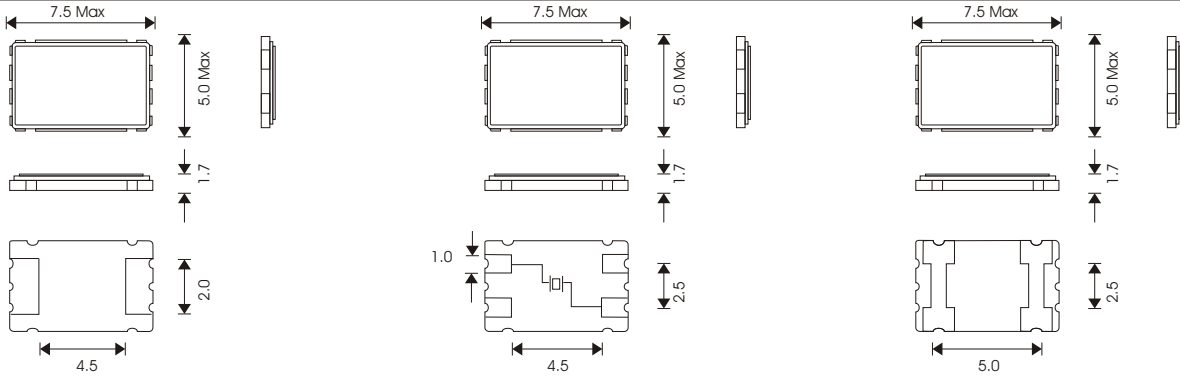


Specify AEL

Ceramic Encapsulated SMD Crystals SXH Type



Surface Mounted Quartz Crystal Resonators



FEATURES

- Reduced Cost
- Suitable for Reflow Soldering
- Choice of Footprint
- Minimal Height

APPLICATIONS

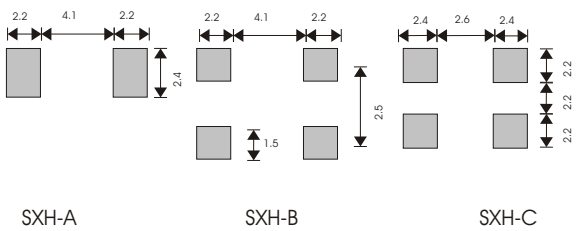
- PCMCIA Applications
- Datacommunications
- Telecommunications
- Wireless Low Power Radio

STANDARD SPECIFICATION

Frequency Range: 8.0 MHz to 67MHz
 Adjustment Tolerance at 25°C: 50PPM Max.
 Frequency Stability: 50PPM
 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
8.0 MHz ~ 9.99 MHz	80	Fund
10.0 MHz ~ 15.99 MHz	60	Fund
16.0 MHz ~ 32.00 MHz	40	Fund
28.0 MHz ~ 67.00 MHz	60	3 O/T

Suggested Solder Pad Layout



AVAILABLE OPTIONS

Frequency Range: 8.00 MHz to 67.0 MHz
 Adjustment Tolerance: ±20PPM ~ ±100PPM
 Load Capacity: Series or 9pF ~ 50pF
 Shunt Capacity (C0): 4.5pF ~ 7pF (Typ.)
 Dynamic Capacity (C1): 18pF ~ 20f (Typ.)
 Tape & Reel:

Frequency Stability vs Operating Temperature Range

Operating Temperature Range	Temperature Stability		
	+/-10PPM	+/-20PPM	+/-50PPM
0 to +50	■	■	■
-10 to +60	■	■	■
-30 to +80		■	■

Solder Conditions

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



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