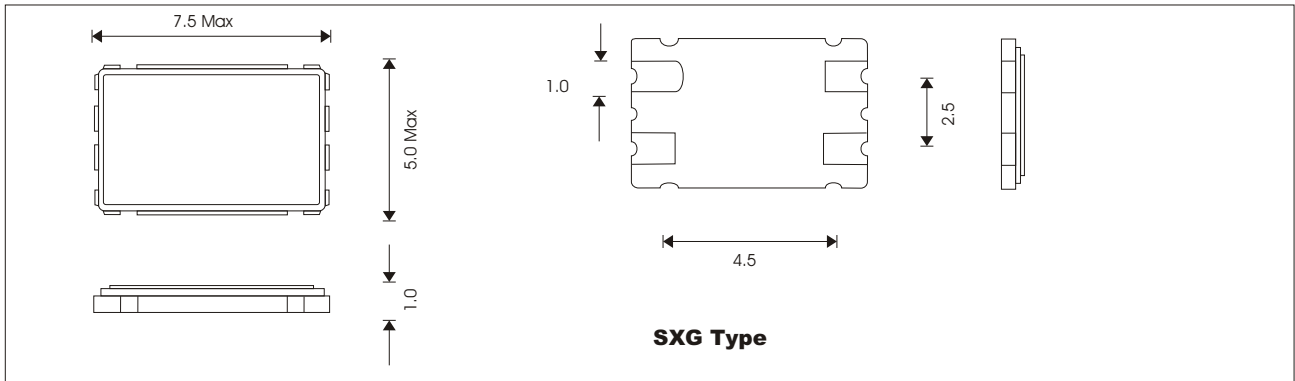


Specify AEL

Ceramic Encapsulated SMD Crystals SXG Type



Surface Mounted Quartz Crystal Resonators



FEATURES

- Ultra Low Height
- Suitable for Reflow Soldering
- +/-5PPM Available
- 50MHz Fundamental Mode

APPLICATIONS

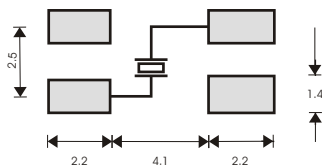
- PCMCIA Applications
- Datacommunications
- Telecommunications
- Automotive Electronics

STANDARD SPECIFICATION

Frequency Range:	9.8 MHz to 100MHz
Adjustment Tolerance at 25°C:	30PPM 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
9.8 MHz ~ 9.99 MHz	80	Fund
10.0 MHz ~ 15.99 MHz	60	Fund
16.0 MHz ~ 50.00 MHz	40	Fund
28.0 MHz ~ 84.00 MHz	60	3 O/T
84.0 MHz ~ 100.00 MHz	80	5 O/T

Suggested Solder Pad Layout



AVAILABLE OPTIONS

Frequency Range:	9.80 MHz to 90.0 MHz
Adjustment Tolerance	5PPM ~ 100PPM
Load Capacity:	Series or 9pF ~ 50pF
Shunt Capacity (C0):	4.5pF ~ 7pF (Typ.)
Dynamic Capacity (C1):	18pF ~ 20fF (Typ.)
Tape & Reel:	1,000pcs/Reel

Frequency Stability vs Operating Temperature Range

Operating Temperature Range	Temperature Stability				
	+/-5PPM	+/-10PPM	+/-15PPM	+/-20PPM	+/-50PPM
0 to +50	■	■	■	■	■
-10 to +60	■	■	■	■	■
-30 to +80	■	■	■	■	■
-40 to +85	■	■	■	■	■

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



www.aelcrystals.co.uk

quartz based frequency control components

Order Hotline +44 1293 524245

www.aelcrystals.co.uk
sales@aelcrystals.co.uk