

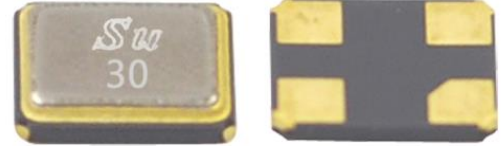
TSQ-1612SMD

FEATURES

The entire package can be grounded via the top metal lid and the two bottom pads.

Small footprint. Ideal for space constrained applications.

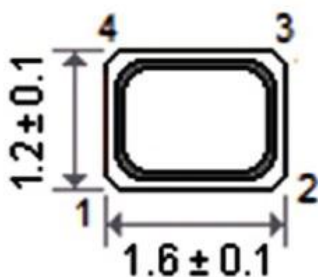
Exhibits extremely low aging with a high shock & vibration resistance.



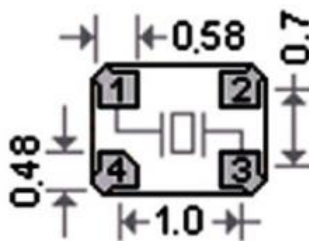
SPECIFICATIONS	
Holder Type	1.6x1.2mm Ceramic Surface Mount
Frequency Range	24MHz to 48MHz (Fund.)
Crystal Cut //Load Capacitance	AT – Cut // Series or Parallel (8 to 32pF) resonance
Drive Level	10μW typical (100μW max.)
Frequency Tolerance (ΔF)	±10ppm, ±20ppm or ±30ppm (max.) at 25°C
Aging	ΔF/F: ±3ppm / year (max.)
Storage Temperature Range	-50°C to 105°C

EQUIVALENT SERIES RESISTANCE (ESR)	
Frequency Range	ESR (Ω)
24.000MHz ≤ f < 29.900MHz	120max
30.000MHz ≤ f < 36.900MHz	100max
40.000MHz ≤ f < 48.000MHz	80max

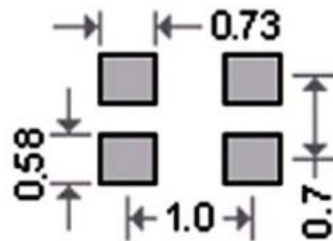
Mechanical Dimensions Unit: mm



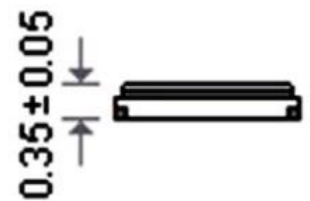
Top View



Bottom View



Suggested Layout



Pad Connections:
Pad 1 and 3: Crystal
Chamfered pad is pad No.4

Note: Specification are subject to change without notice. For more detail and update, please visit our website.