QCM70 Series

SMD Crystal, 4 Pads, 3.2x2.5x0.8mm

RoHS Compliant

STANDARD SPECIFICATIONS

Frequency Range	12MHz to 50MHz
Frequency Tolerance (25°C)	± 50 ppm Standard (see Crystal Part Number Guide for more details)
Load Capacitance (CL)	18pF (see Crystal Part Number Guide for more details)
Aging	±5ppm max per year max
Frequency Stability over Operating Temperature	± 100 ppm Standard (see Crystal Part Number Guide for more details)
Operating Temperature Range	0°C ~+70°C Standard (see Crystal Part Number Guide for more details)
Storage Temperature Range	-40°C ~+85°C Standard

EQUIVALENT SERIES RESISTANCE (E.S.R.)

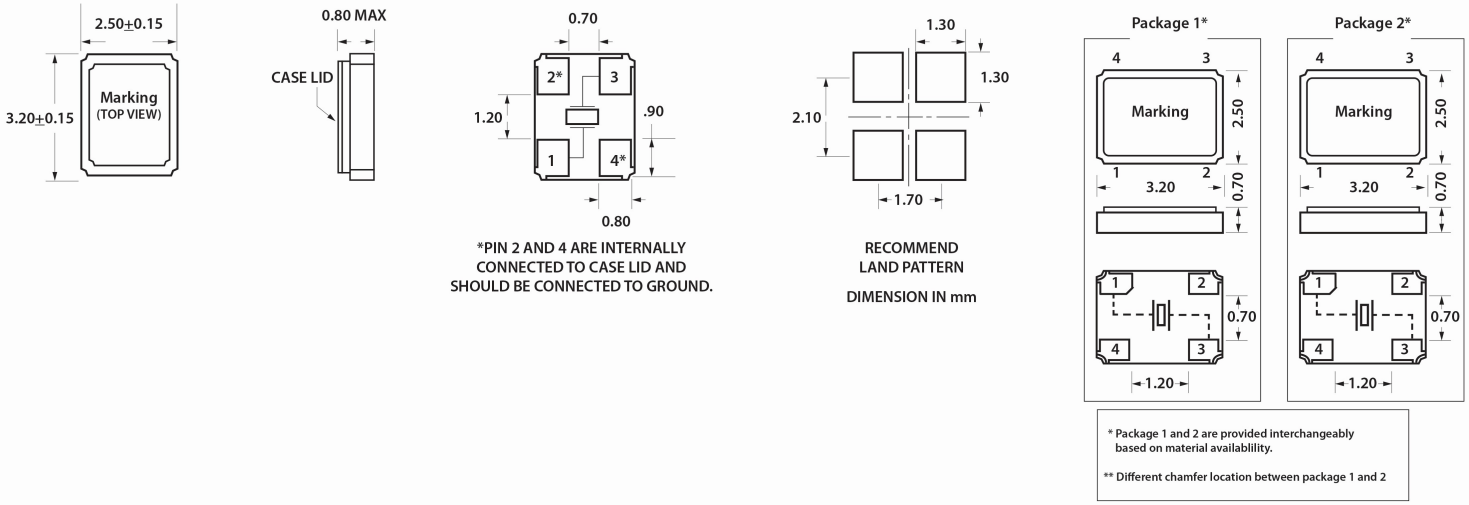
Mode of OSC.	Frequency (MHz)	ESR Max. (Ω)
Fundamental	12.0 ~ 15.9	100
	16.0 ~ 19.9	80
	20.0 ~ 13.9	60
	24.0 ~ 50.0	40

Ordering Instructions (see Crystal Part Number Guide for more details)

Example: QVS Part # = QCM70-21AF18-20.000

	±50ppm(@ 25°)	±100ppm(Over Temp)	0°C~+70°C	Fundamental	Load Cap.	Freq.
QCM70-	2	1	A	F	18pF	-20.000MHz

* See Engineering-Technical Info for Solder Re-flow and Tape and Reel Specs.



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Specifications subject to change without notice (Rev F)