

DATASHEET

Q-SMD2016



PART NO.: 10-0927
 PART DESCR.: Q-SMD2016-M4-25.000000 Mhz-12-10/50-40/105

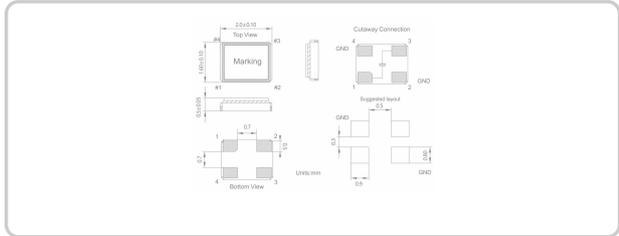
TYPE: Q-SMD2016

MANUFACTURER: quarzwerk 01 GmbH

PRODUCT IMAGE



MARKING DIMENSION



TECHNICAL SPECIFICATION

A 1.00 Manufacturer Name	UTECH
A 1.01 Manufacturer Part No.	-
A 1.02 Description	Quartz Crystal Resonator
A 1.04 Dimension & Type	MHz SMD2016 (2.0 x 1.6 mm)
A 1.05 VPE	TR3000
A 1.06 Date Created	2026-03
Q 3.01 Nominal frequency (Fo)	25.000000 MHz
Q 3.02 Oscillation Mode	Fundamental AT
Q 3.03 Load Capacitance (CL)	12.0 pF
Q 3.04 Freq. Tol. max. (at +25°C)	±10 ppm max.
Q 3.05 Freq. Stability Vs Temp. max.:	±50 ppm max.
Q 3.06 Operating Temp. Range	-40°C ~ +105°C
Q 3.07 Storage Temp. Range	-55°C ~ +125°C
Q 3.08 Equivalent Res. (ESR)	70 Ω max.
Q 3.09 Shunt Capacitance C0 (pf max.)	5 pF max.
Q 3.10 Motional Capacitance C1 (fF max.)	tbd
Q 3.11 Drive Level (Typical)	10 μW
Q 3.12 Drive Level (Max.)	300 μW
Q 3.13 Insulation Resistance	More than 500 MΩ @ DC 100V
Q 3.14 Air-tightness	Less than 1´10 ⁻⁹ Pa m ³ /s (Helium leak detector)
Q 3.15 Aging	±3 ppm max first year

CERTIFICATIONS

