

DATASHEET

Q-SMD3225



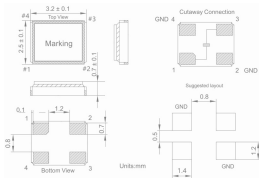
PART NO.: 10-0922
PART DESCR.: Q-SMD3225-M4-48.000000 MHz-FU-7-10/10-2085

TYPE: Q-SMD3225
MANUFACTURER: quarzwerk 01 GmbH

PRODUCT IMAGE



MARKING DIMENSION



TECHNICAL SPECIFICATION

A 1.00 Manufacturer Name	UTECH
A 1.01 Manufacturer Part No.	QRS3048000C07DC
A 1.02 Description	Quartz Crystal Resonator
A 1.04 Dimension & Type	SMD3225 (3.2 x 2.5 mm)
A 1.06 Date Created	25.09.2025
Q 3.01 Nominal frequency (Fo)	48.000000 MHz
Q 3.02 Oscillation Mode	Fundamental AT
Q 3.03 Load Capacitance (CL)	7.0 pF
Q 3.04 Freq. Tol. max. (at +25°C)	±10 ppm max.
Q 3.05 Freq. Stability Vs Temp. max.:	±10 ppm max.
Q 3.06 Operating Temp. Range	-20°C ~ +85°C
Q 3.07 Storage Temp. Range	-55°C ~ +125°C
Q 3.08 Equivalent Res. (ESR)	20 Ω max.
Q 3.09 Shunt Capacitance C0 (pf max.)	1.0
Q 3.10 Motional Capacitance C1 (fF max.)	3.0
Q 3.11 Drive Level (Typical)	10 µW (typical)
Q 3.12 Drive Level (Max.)	300 µW
Q 3.13 Insulation Resistance	500 MΩ (Min.) at DC100V ±15V
Q 3.14 Air-tightness	Less than 1'10-9 Pa m3/s (Helium leak detector)
Q 3.15 Aging	±2ppm first year, ±5ppm vs 5 years

CERTIFICATIONS



RoHS
Compliant



ISO 9001:2000
certified by SGS



ISO 14001:2004
certified by SGS