

# DATASHEET

Q-SMD3225



PART NO.: 11-0074

PART DESCR.: Q-SMD3225-M4-24.000000 MHz-FU-9-10/20-40105 | Epson TSX-3225 (1000pcs/reel)

TYPE: Q-SMD3225

MANUFACTURER: quarzwerk 01 GmbH

## PRODUCT IMAGE



## MARKING DIMENSION

## TECHNICAL SPECIFICATION

A 1.00 Manufacturer Name	EPSON
A 1.01 Manufacturer Part No.	X1E0000210048xx
A 1.02 Description	Quartz Crystal Resonator
A 1.04 Dimension & Type	MHz   SMD3225 (3.2 x 2.5 mm)
Q 3.01 Nominal frequency (Fo)	24.000000 MHz
Q 3.02 Oscillation Mode	Fundamental AT
Q 3.03 Load Capacitance (CL)	9.0 pF
Q 3.04 Freq. Tol. max. (at +25°C)	±10 ppm
Q 3.05 Freq. Stability Vs Temp. max.:	±20 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)	40 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)	-
Q 3.12 Drive Level (Max.)	-
Q 3.13 Insulation Resistance	-
Q 3.14 Air-tightness	-
Q 3.15 Aging	-

## CERTIFICATIONS



RoHS  
Compliant



ISO 9001:2000  
certified by SGS



ISO 14001:2004  
certified by SGS