

DATASHEET

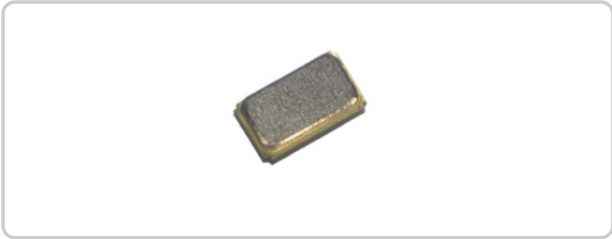
Q-SMD2012



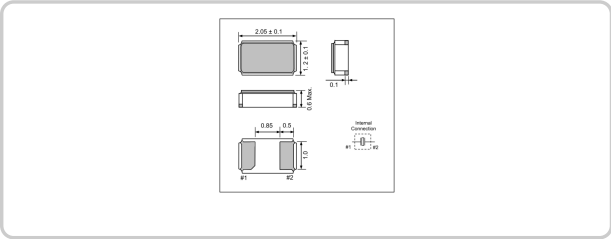
PART NO.: 11-1200
PART DESCR.: Q-SMD2012-C2-32.768 kHz-7-20-4085 | Epson FC2012AN (TR5000)

TYPE: Q-SMD2012
MANUFACTURER: quarzwerk 01 GmbH

PRODUCT IMAGE



MARKING DIMENSION



TECHNICAL SPECIFICATION

A 1.00 Manufacturer Name	EPSON
A 1.02 Description	Quartz Crystal Resonator
A 1.03 Series	FC2012AN
A 1.04 Dimension & Type	kHz SMD2012 (2.0 x 1.2 mm)
A 1.05 VPE	TR5000
A 1.06 Date Created	2026-01
A 1.07 Last Update	2026-01
Q 3.01 Nominal frequency (Fo)	32.768 kHz
Q 3.02 Oscillation Mode	Tuning Fork XY
Q 3.03 Load Capacitance (CL)	7.0 pF
Q 3.04 Freq. Tol. max. (at +25°C)	±20 ppm max.
Q 3.05 Freq. Stability Vs Temp. max.:	-0.04 x 10 ⁻⁶ / °C ² 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)	35 Ω max.
Q 3.09 Shunt Capacitance C0 (pf max.)	1.6
Q 3.10 Motional Capacitance C1 (fF max.)	8.4
Q 3.12 Drive Level (Max.)	0.5 µW
Q 3.15 Aging	±3 ppm max first year

CERTIFICATIONS

