

# DATASHEET

TCXO-SMD2016



PART NO.: 41-0003

PART DESCR.: O-TCXO-SMD2016-M4-48.000000 MHz-1.8-0.5-4085-CSW

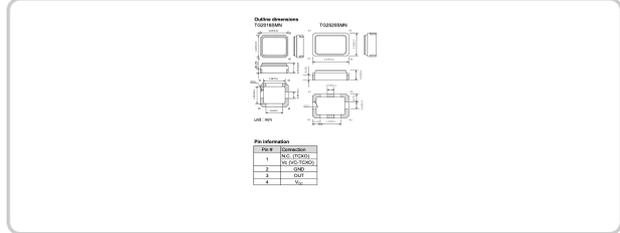
TYPE: TCXO-SMD2016

MANUFACTURER: quarzwerk 01 GmbH

## PRODUCT IMAGE



## MARKING DIMENSION



## TECHNICAL SPECIFICATION

A 1.00 Manufacturer Name	EPSON
A 1.02 Description	Temperature Compensated Crystal Oscillator
A 1.03 Series	TG2016SMN
A 1.05 VPE	TR2000
A 1.06 Date Created	12.02.2026
T 3.01 Nominal Frequency (Fo)	48.000000 MHz
T 3.02 Oscillation Mode	Fundamental
T 3.03 Supply Voltage (Vdd)	1.8 V
T 3.04 Input Current	2.0 mA max.
T 3.05 Output Waveform	CSW - Clipped sine wave
T 3.07 Duty Cycle	45% ~ 55%
T 3.08 a. Frequency Tolerance Before Reflow (at +25°C)	±0.5 ppm
T 3.08 b Frequency Tolerance After Reflow (at +25°C)	±1.5 ppm
T 3.09 Frequency Stability Vs Temperature Range	±0.5 ppm @ -40°C ~ +85°C
T 3.10 Operating Temperature Range	-40°C ~ +85°C
T 3.12 Frequency Stability Vs Supply Voltage (±5%)	±0.1 ppm max.
T 3.13 Frequency Stability Vs Load (±10%)	±0.1 ppm max (Load ±10%)
T 3.14 Output Load	15 pF
T 3.15 Aging	±1.5 ppm at +25°C first year, ±5.0 ppm at +25°C 10 years

## CERTIFICATIONS



RoHS  
Compliant



ISO 9001:2000  
certified by SGS



ISO 14001:2004  
certified by SGS