

SMD WATCH CRYSTAL SERIES M4819

FEATURES

RoHS-2 2011/65/EU
 compliant

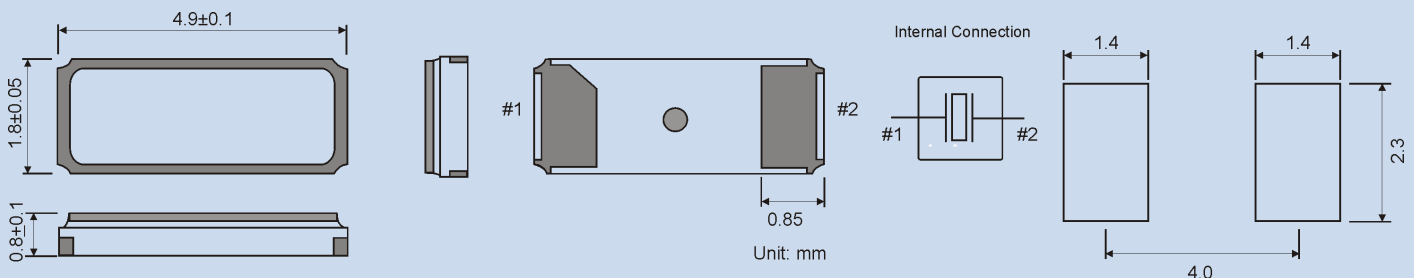
- High reliability for low cost
- Ultra low profile
- Operating temperature range of -40/+85°C
- Excellent clock signal generator for CPU's

GENERAL DATA

SMD-CRYSTAL SERIES	M4819	(4.8x1.9x0.9mm)
NUMBER OF SOLDER PADS	2	
FREQUENCY RANGE	32.768 kHz	
FREQUENCY TOLERANCES AT 25°C	±20 ppm (standard) / ±10 ~ ±100 ppm (option)	
LOAD CAPACITANCE (C _L)	12.5 pF (standard)	7,8,9 and 12pF available on request
WORKING TEMPERATURE RANGES	-40/+85°C	
RESONANCE RESISTANCE	80 kΩ max.	
SHUNT CAPACITANCE C ₀	1.15 pF typ.	
TURNOVER TEMPERATURE	+25°C ±5°C	
PARABOLIC COEFFICIENT	-0.04 ppm/°C ²	
DRIVE LEVEL	0.5 μW typical (1.0 μW max.)	
AGING	±3 ppm max. per year	
INSULATION RESISTANCE	>500 MΩ DC/100V ±10%	
STORAGE TEMPERATURE	-55°+125°C	
DELIVERY FORM	Tape and Reel (3.000 pcs per reel)	

OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION

DIMENSIONS



CRYSTALS
OSCILLATORS
CERAMIC RESONATORS



Premium Quality by
PETERMANN-TECHNIK

CERAMIC FILTERS
SAW COMPONENTS

Spec.01 • REV.00 • June 2013

ORDERING INFORMATION

Series

M4819

Frequency

32.768 kHz

Frequency
Stability at
25°C

20

Temperature
Range

-40+85°C

Load
Capacitance

12.5 pF

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