

SMD QUARTZ CRYSTAL SERIES SMD1045

FEATURES

- Low frequencies available
- Low profile – 1.4 mm max. package height
- Extended temperature range up to -40/85°C available
- Excellent clock signal generator for CPU's

Pb free
RoHS-2 2011/65/EU
compliant

GENERAL DATA

SMD-CRYSTAL SERIES	SMD1045/4 (10.0x4.5x1.4mm) SMD1045/2 (10.0x4.5x1.4mm)
NUMBER OF SOLDER PADS	SMD1045/4 = 4 SMD1045/2 = 2
FREQUENCY RANGE	3.2768 ~ 10.0 MHz AT-Fundamental
FREQUENCY TOLERANCES AT 25°C	±20 ppm ~ ±50 ppm
LOAD CAPACITANCE (C _L)	10 pF ~ 30 pF or Series, 18 pF standard
WORKING TEMPERATURE RANGES	0/+50°C ~ -40/+85°C
RESONANCE RESISTANCE	120 Ω max.
SHUNT CAPACITANCE C ₀	7 pF max.
DRIVE LEVEL	0.1 mW standard (optional 0.5 mW available)
AGING	±5 ppm per year
INSULATION RESISTANCE	>500 MΩ DC/100V ±10%
STORAGE TEMPERATURE	-55°+125°C
DELIVERY FORM	Tape and Reel (1.000 pcs per reel)

OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION

FREQUENCY STABILITY VS. TEMPERATURE

	±15ppm	±20ppm	±30ppm	±50ppm
0°/+50°C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-10°/+60°C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0°/+70°C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-20°/+70°C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-40°/+85°C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRYSTALS
OSCILLATORS
CERAMIC RESONATORS

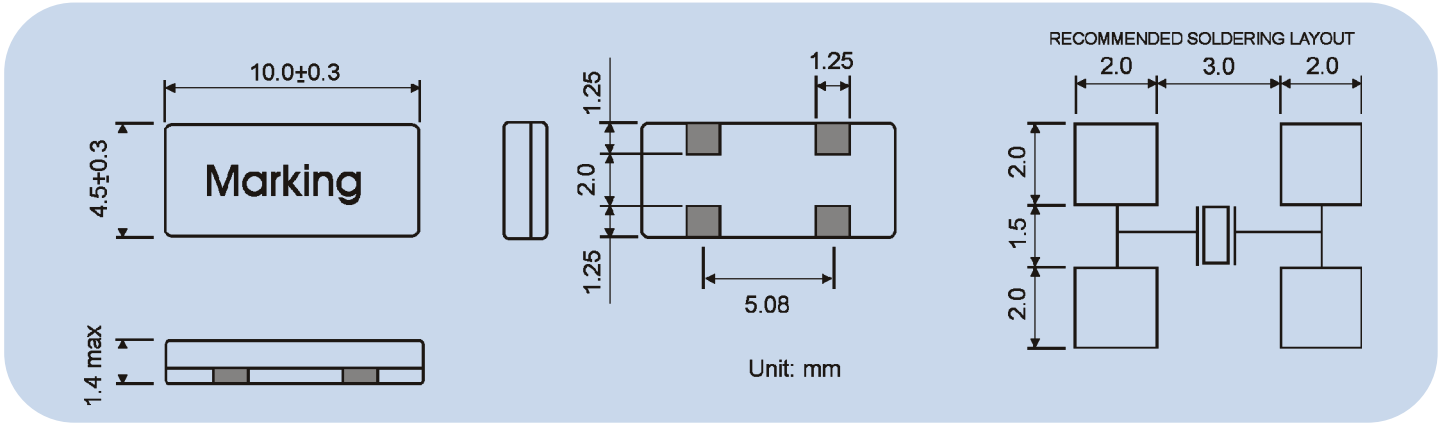


Premium Quality by
PETERMANN-TECHNIK

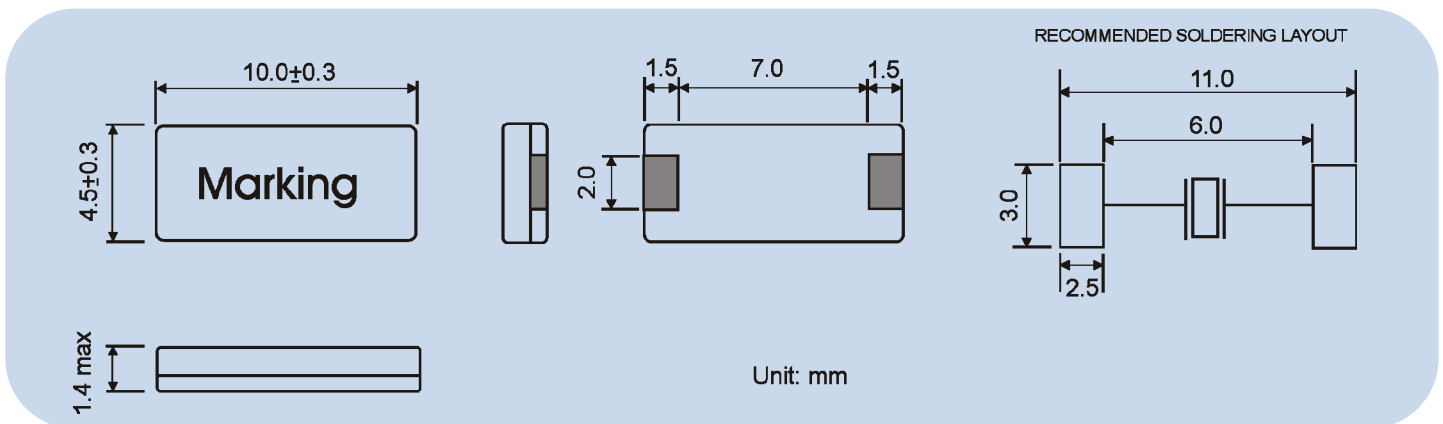
CERAMIC FILTERS
SAW COMPONENTS

Spec.01 • REV.00 • June 2013

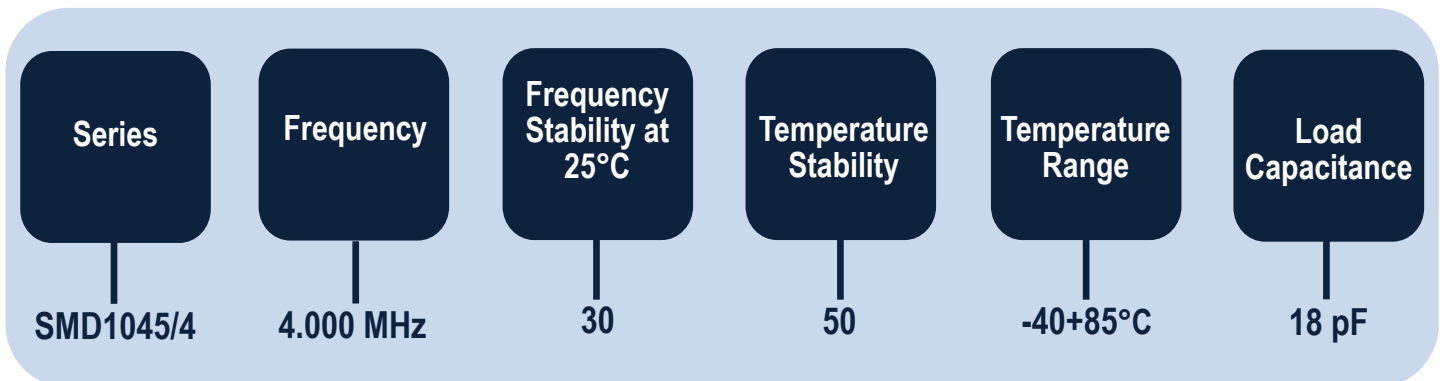
DIMENSIONS OF SMD1045/4



DIMENSIONS OF SMD1045/2



ORDERING INFORMATION



CRYSTALS
OSCILLATORS
CERAMIC RESONATORS



CERAMIC FILTERS
SAW COMPONENTS
 Spec.01 • REV.00 • June 2013