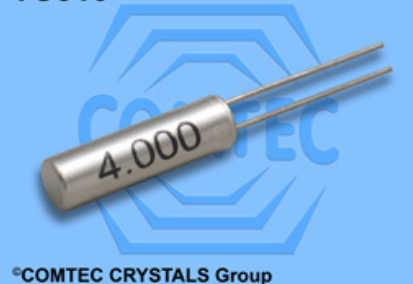


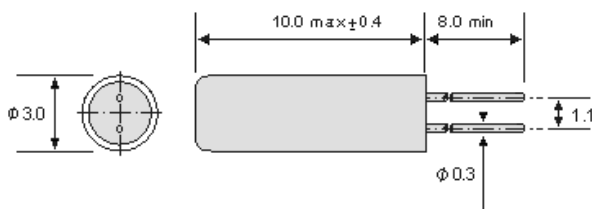
TC310



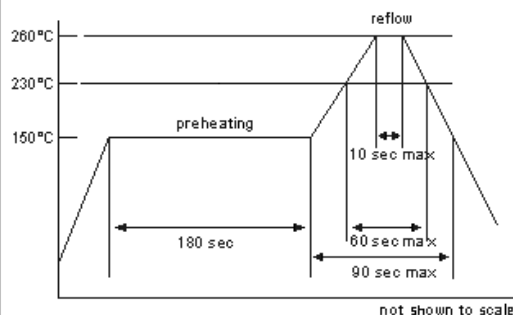
Quartz Crystal Unit TC 3x10

- Quartz in Metal Case (3.0 x 10.0) mm
- Available in many standard and special frequencies
- Applications for Clock and Microcomputer
- RoHS conform; Lead-free product

External Dimensions



Soldering Conditions



Specifications

Holder Type:	TC3x10
Frequency Range:	4.000000 MHz - 4.500000 MHz
Frequency Stability at 25°C:	± 5, 10, 20, 50 ppm
Temperature Stability:	±10 to ±30 ppm @ -10°C to +60°C ±10 to ±30 ppm @ -20°C to +70°C ±15 to ±50 ppm @ -40°C to +85°C
Storage Temperature:	-55°C to +125°C
Drive Level:	1.0 µW max.
Load Capacitance (CL):	6pF to infinity
Shunt Capacitance (C0):	< 7pF
Crystal Cut & Vibration Mode:	AT-cut, fundamental
Equivalent Series Resistance:	150 Ohm max.
Aging:	± 5 ppm / year max.

GERMANY:

COMTEC CRYSTALS GmbH · Sultenstrasse 12-14
85586 Poing / GERMANY
Phone +49 8121 778160 · Fax +49 8121 778177
e-Mail info@comtec-crystals.com
Internet: <http://www.comtec-crystals.com>
Subject to change without prior notice.



Technical Data and Graphics are all under
Copyright (c) of Comtec Crystals Group.

FRANCE:

COMTEC CRYSTALS SARL · 23, rue du Faucon
67500 Haguenau / FRANCE
Phone +33 388 732162 · Fax +33 388 730118
e-Mail sales@comtec-crystals.com
Internet: <http://www.comtec-crystals.com>
Sous réserve de modifications.