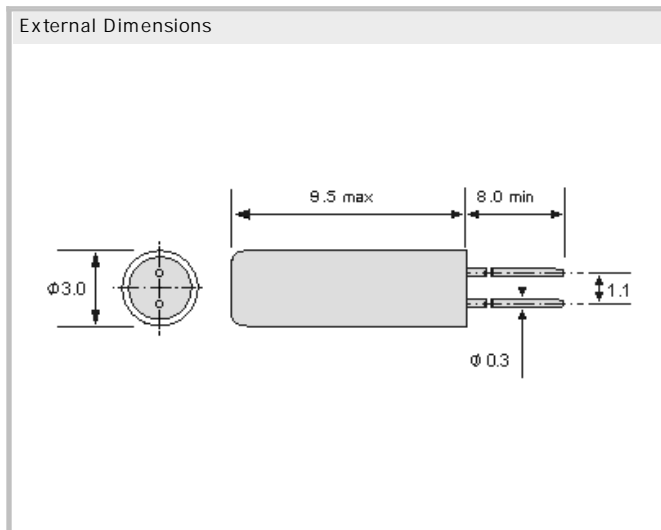




### Quartz Crystal Unit TC-39

- Cylinder Metal Case (3.0 x 9.0) mm
- Available in many standard and special frequencies
- Applications for Clock and Microcomputer
- RoHS conform; Lead-free product



### Specifications - Product No. A004800000A0FBPNOED

Holder Type:	TC-39
Frequency:	4.800000 MHz
Frequency Stability at 25°C:	± 20 ppm
Temperature Stability:	± 30 ppm @ -20°C to +70°C
Storage Temperature:	-40°C to +85°C
Drive Level:	1.0 µW max.
Load Capacitance (CL):	16 pF
Shunt Capacitance (CO):	< 7pF
Crystal Cut & Vibration Mode:	AT- cut, fundamental
Equivalent Series Resistance:	200 Ohm max.
Aging:	< ± 5 ppm max./year

#### GERMANY:

COMTEC CRYSTALS GmbH · Sultenstrasse 12-14  
 8 5 5 8 6 P o i n g / G E R M A N Y  
 Phone +49 8121 778160 · Fax +49 8121 778177  
 e-Mail [info@comtec-crystals.com](mailto: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  
 6 7 5 0 0 H a g u e n a u / F R A N C E  
 Phone +33 388 732162 · Fax +33 388 730118  
 e-Mail [sales@comtec-crystals.com](mailto:sales@comtec-crystals.com)  
 Internet: <http://www.comtec-crystals.com>  
 Sous réserve de modifications.