

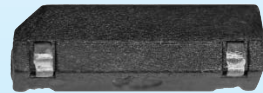
PRODUKT-INFO

MM39SL SMD CRYSTAL

FEATURES

Plastic Package.

ELECTRICAL SPECIFICATIONS	
Model	MM-39SL
Frequency Range	3.579545 MHz ~ 70.0 MHz
Frequency Tolerance (at +25°C)	±30 ppm / ±50 ppm
Frequency Stability	±30 ppm / ±50 ppm
Operating Temperature Range	-10°C to +60°C, -40° to +85°C option
Equivalent Series Resistance and Oscillation Mode	3.5 ~ 4.0 MHz 200 Ω max. Fundamental 4.0 ~ 6.0 MHz 150 Ω max. Fundamental 6.0 ~ 10.0 MHz 100 Ω max. Fundamental 10.0 ~ 27.0 MHz 50 Ω max. Fundamental 27.0 ~ 36.0 MHz 100 Ω max. 3rd Overtone 36.0 ~ 70.0 MHz 80 Ω max. 3rd Overtone
Load Capacitance (C _L)	12 pF, 16 pF, 18 pF, 20 pF, 30 pF (Customer Spec.)
Shunt Capacitance	7 pF max.
Drive Level	100 μW max.
Aging (at +25°C) first year	±5 ppm / year max.



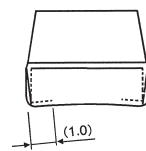
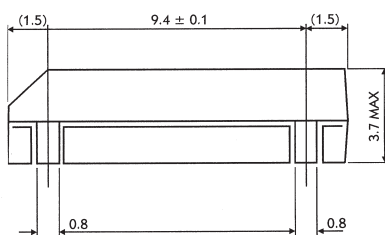
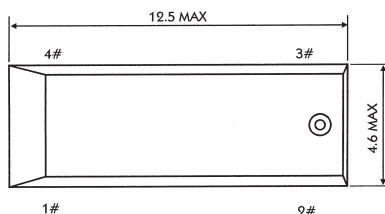
Actual Size



CROSS REFERENCES

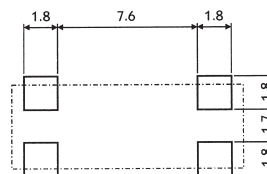
- MA-406 EPSON
- CM-309S CITIZEN

Dimensions (Units: mm)

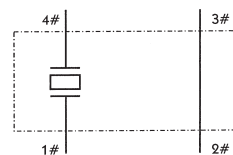


12.5 x 4.6 x 3.7

Recommended Solder Pattern



Electrode Arrangement



Do not connect #2 and #3 to external device.

*Crystals...
and more*

Now available



**digital electronic
siegfried lehrer gmbh**
Rudolf-Wanzl-Str. 3+5
D-89340 Leipheim / Germany
www.digitallehrer.de
digital@digitallehrer.de

Telefon 0 82 21 / 7 08 - 0 · Telefax 0 82 21 / 7 08 - 80

All specifications subject to change without notice.