



**Data Sheet**



Product Category: Ceramic Resonator

Series Number  
642

Package  
F-11 Narrow Band

Description  
One-Port SAW

Last Modified  
Jan. 01 2002

**FEATURES**

- Quartz Stability
- Industry standard package



**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	SYMBOL	CHARACTERISTICS	UNITS
Center Frequency	F <sub>c</sub>	314.5 ~ 980.0 ±0.075	MHz
Insertion Loss	IL	1.5	dB
Unloaded Q	-	12000	-
50 Ohms Loaded Q	-	2000	-
Turnover Temperature	T <sub>o</sub>	35	°C
Freq. Temp. Coefficient	FTC	0.037	PPM/°C
Frequency Aging	f <sub>A</sub>	10 max. typ.	PPM/Y
DC Insulation Resistance	Between any 2 pins	1 min.	Mohm
Turnover Frequency	F <sub>o</sub>	F <sub>c</sub> ±1.3	KHz
Operating Temperature	T <sub>OPR</sub>	-10 to +60	°C
Package	-	F-11	-

**PACKAGE DIMENSIONS (mm)**

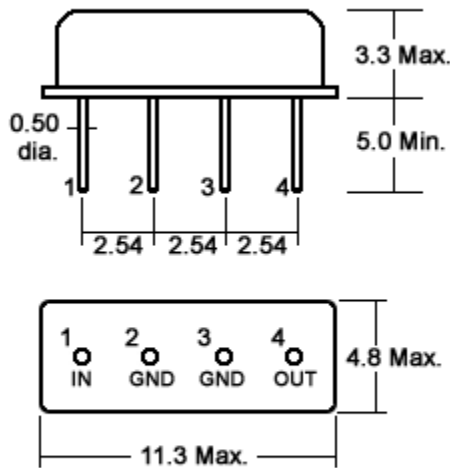


Figure 1) Side, and Bottom Views

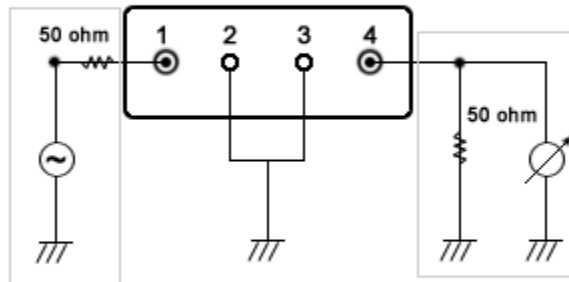


Figure 2) Test Circuit

**PART NUMBER GUIDE**

Part Number	Frequency	Part Number	Frequency
<a href="#">642-314.5M</a>	314.5 MHz	<a href="#">642-433.42M</a>	433.42 MHz
<a href="#">642-315.0M</a>	315.0	<a href="#">642-433.92M</a>	433.92
<a href="#">642-318.0M</a>	318.0	<a href="#">642-479.5M</a>	479.5
<a href="#">642-384.05M</a>	384.05	<a href="#">642-886.0M</a>	886.0
<a href="#">642-418.0M</a>	418.0	<a href="#">642-912.0M</a>	912.0
<a href="#">642-423.0M</a>	423.0	<a href="#">642-916.5M</a>	916.5
<a href="#">642-423.22M</a>	423.22	<a href="#">642-980.0M</a>	980.0

**NOTE:** Deviations on all parameters available. Please consult Oscilent for details.

**DEFINITIONS:** Click on the characteristic names above, for definitions of the particular characteristic.

**Oscilent Corporation** - CALL **949.252.0522**

**Series No.:** **642**

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