



ELECTRONICS, INC.  
 44 FARRAND STREET  
 BLOOMFIELD, NJ 07003  
 (973) 748-5089  
<http://www.nteinc.com>



## NTE652 Crystal, 4.000MHz, Parallel Resonant

**Description:**

The NTE652 Quartz Crystal features a rugged resistance weld package which allows for a better aging factor than its solder seal equivalent.

**Features:**

- Low Cost
- Industry Standard
- Wide Frequency Range
- Excellent Aging
- “AT” Cut Crystal

**Specifications:**

Frequency .....	4.000MHz
Resonance Mode .....	Fundamental
Frequency Tolerance (T <sub>A</sub> =+25°C) .....	±30 PPM Max
Frequency Stability (Ref at T <sub>A</sub> =+25°C over Operating Temperature Range) .....	±50 PPM Max
Operating Temperature Range, T <sub>opr</sub> .....	-20° to +70°C
Storage Temperature Range, T <sub>STG</sub> .....	-40° to +85°C
Equivalent Series Resistance, ESR .....	100± Max
Shunt Capacitance, C <sub>O</sub> .....	7.0pF Max
Load Capacitance, C <sub>L</sub> .....	SERIES
Drive Level .....	1.0mW Max
Aging (Per Year) .....	±5.0 PPM Max
Maximum Soldering Temperature (10sec Max) .....	+260°C
Moisture Sensitivity Level, MSL .....	1
Termination Finish (Hot Dipped) .....	Sn/Ag/Cu
Weight .....	997.98 mg Typ

