



## SM45 Series Crystal

November 2006

### Part Number: SM45029-8.0M

Refer to the Pletronics part SM45 series datasheet of August 2006 for additional information, this part is based on that series of Pletronics crystals.

Parameter	Specification	Test Requirement
Frequency	8.000 MHz	Fundamental Mode - AT Cut
Load Capacitance	20pF	
Frequency Tolerance at 25°C	±30 ppm	measure at 10uW
Frequency Tolerance referenced to 25°C	±50 ppm	measure at 10uW
C0 (pin to pin capacitance)	7.0pF maximum	
ESR	70 ohms	measure at 10uW
Aging at 25°C	±5 ppm / year	maximum
Operating Temperature Range	0°C to +70°C	
Maximum Drive Level	500uW	

Maximum total package height is 4.5mm

**Pletronics Inc. certifies this device is in accordance with the  
RoHS 5/6 (2002/95/EC) and WEEE (2002/96/EC) directives.**

Pletronics Inc. guarantees the device does not contain the following:

Cadmium, Hexavalent Chromium, Lead by exemption (<1000ppm), Mercury, PBB's,  
PBDE's

Weight of the Device: 0.65 grams

Moisture Sensitivity Level: 1 As defined in J-STD-020C

Second Level Interconnect code: e1, e2 or e3 per JEDEC Standard JESD97



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