

# WSC70B

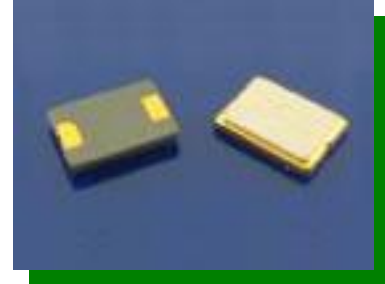
# Wavetron

## Microprocessor Crystal Unit 7.0 x 5.0mm Surface Mount Package



### Features

- Seam Seal
- Excellent Solderability
- High Frequency Stability
- Excellent Thermal Hysteresis
- Excellent Vibration Resistance & Shock Resistance
- RoHS Compliant



### Electrical Specifications

Frequency Range		6.000 to 133.000	
Mode of Oscillation	Fundamental	6.000 to 48.000	MHz
	Third Overtone	40.000 to 133.000	
Frequency Tolerance at 25°C	Standard	±30	PPM Max
	Optional	± 25 to ±10	
Frequency Stability over Temperature Range	Standard	±50	PPM Max
	Optional	±30 to ±10	
Operating Temperature Range	Standard	-10 to +70	°C
	Extended	-40 to +85	
Storage Temperature Range		-55 to +125	
Aging per Year		±3	PPM Max
Load Capacitance		10 to 32 or Series Resonance	pF
Shunt Capacitance		7.0	pF
Equivalent Ser Resistance (ESR)		See ESR Table	Ohms
Drive Level		100	uW Typ
Insulation Resistance		500 at 100Vdc (±15Vdc)	M Ohm

### Frequency Range vs. ESR Values

Frequency Range in MHz	ESR Ohms Max	Mode of Operation
6.000 to 10.000	110	Fundamental
10.100 to 12.000	60	Fundamental
12.100 to 20.000	45	Fundamental
20.100 to 48.000	30	Fundamental
40.000 to 52.000	80	Third Overtone
52.100 to 133.000	60	Third Overtone

