

**SURFACE MOUNT CRYSTAL UNIT**

SPECIFICATIONS	SCM309SA	SCM309SB	SCM309S
Nominal Frequency	3.5MHz to 70MHz		
Frequency Tolerance	±30ppm	±50ppm @ 25°C	±100ppm
Frequency Stability	±30ppm	±50ppm	±100ppm
Operating Temperature Range	-10°C to +60°C	-10°C to +60°C	-10°C to +70°C
Storage Temperature Range	-55°C to +125°C		
Load Capacitance	16pF		
Equivalent Series Resistance	SEE TABLE 1		
Drive Level	100uW		
Shunt Capacitance	7pF Maximum		
Aging (First Year at 25±3°C)	±5ppm/year		
Shock Resistance	±5ppm		
Insulation Resistance	500MOhms min. at DC100±15V		
Reflow Condition	240°C ±5°C , 10 seconds Maximum		
Tape & Reel	Option		
Hermeticity of Seal	1 × 10 <sup>-2</sup> uPa · m <sup>3</sup> /sec.		

Frequency Range	Mode of Oscillation	E.S.R
3.500 to 3.999 MHz	Fundamental	200 Ohms
4.000 to 5.999 MHz	Fundamental	150 Ohms
6.000 to 9.999 MHz	Fundamental	100 Ohms
10.000 to 11.999 MHz	Fundamental	60 Ohms
12.000 to 30.000 MHz	Fundamental	50 Ohms
30.000 to 35.999 MHz	3rd Overtone	100 Ohms
36.000 to 70.000 MHz	3rd Overtone	80 Ohms

TABLE 1

