

GX-60352, GX-60354

CRYSTAL

SMD



TYPICAL APPLICATIONS

Bluetooth, Wireless LAN, Audio Equipment, PCMCIA, PCs, Hand-held Electronic Products, Disc Drive, PC, PC Accessory Card, NoteBook, A/V Cards

FEATURES

Miniature and Thin, Ceramic SMD Package, Glass Sealed, Tight Tolerance and Stability, Reflow Soldering, Emboss Taping, RoHS Compliant Standard

DIMENSIONS

6.0x3.5x1.1[mm]

TYPICAL SPECIFICATIONS

Model	GX-60352, GX-60354	
Nominal Frequency Range	8.000~50.000MHz	45.000~60.000MHz
Standard Frequency	12.6, 12.8, 13.0, 14.4, 16.0, 19.2, 19.68, 20.945MHz	
Vibration Mode	Fundamental [AT]	3rd Overtone [AT]
Frequency Tolerance (@ +25°C)	±30 ppm, ±50 ppm	
Freq. Temp. Characteristics (Ref. to 25°C)	±30 ppm, ±50 ppm -10°C~+70°C	±50 ppm, ±100 ppm -40°C~+85°C
Operating Temperature Range	-10°C~+70°C, -40°C~+85°C	
Storage Temperature Range	-40°C~+90°C	
Load Capacitance	Series, 10pF, 12pF, 16pF, 18pF, 20pF	
Shunt Capacitance	5pF Max.	
Drive Level	10μW (100μW Max.)	
Equivalent Series Resistance	See Table 1	
Aging (+25°C)	±5 ppm / year Max.	

Please consult with our sales department for other parameters.

* Package quantity 1,000 pcs max./reel.

OUTLINE DIMENSIONS
Unit:mm

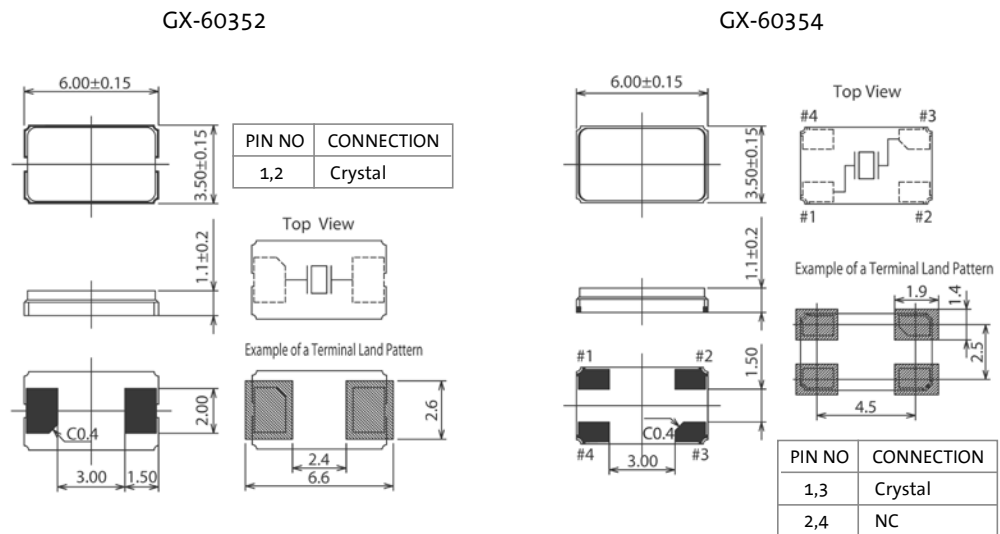


TABLE 1: ESR

AT-cut Fundamental		AT-cut 3rd Overtone	
Frequency (MHz)	ESR (Ω)	Frequency (MHz)	ESR (Ω)
8.000~9.999	80	45.000~60.000	90
10.000~15.999	60		
16.000~50.000	50		

All specifications are subject to change without notice.