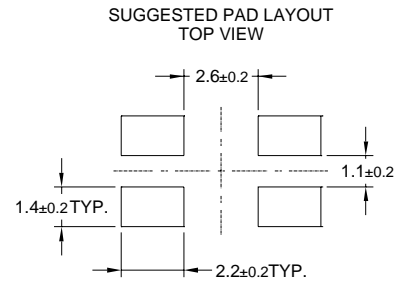
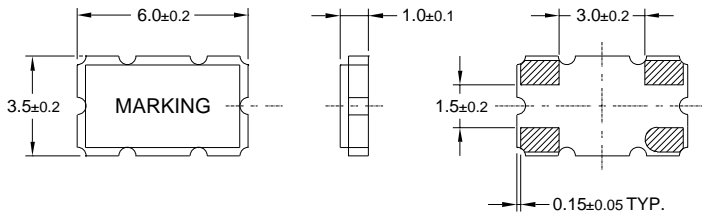
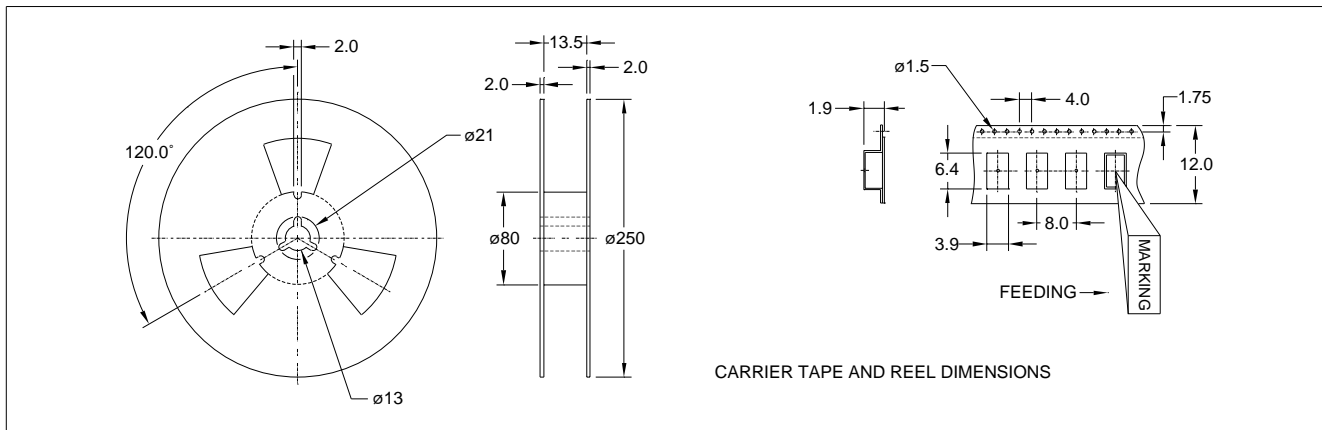
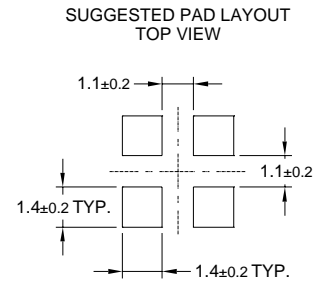
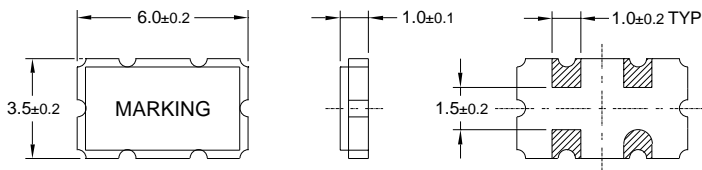


### QSMC - 2000



### QSMC - 2010



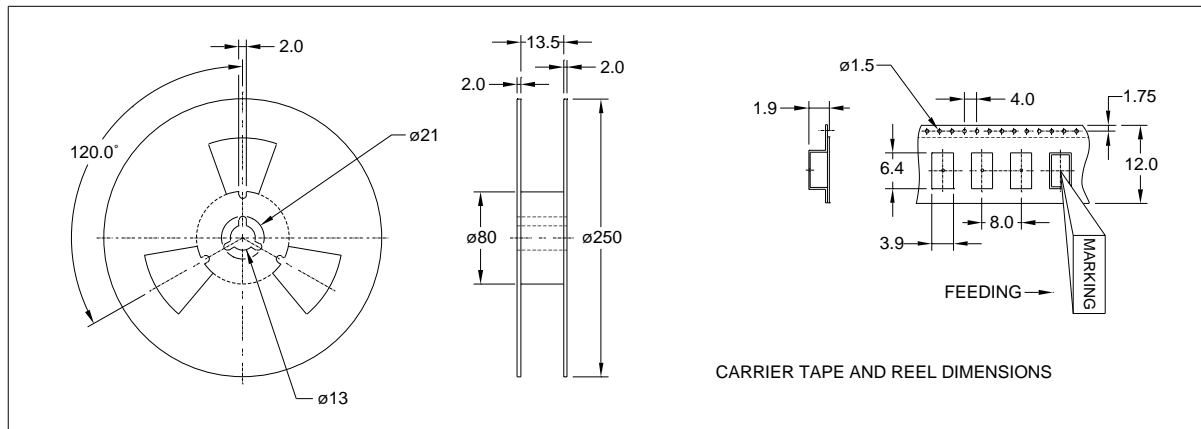
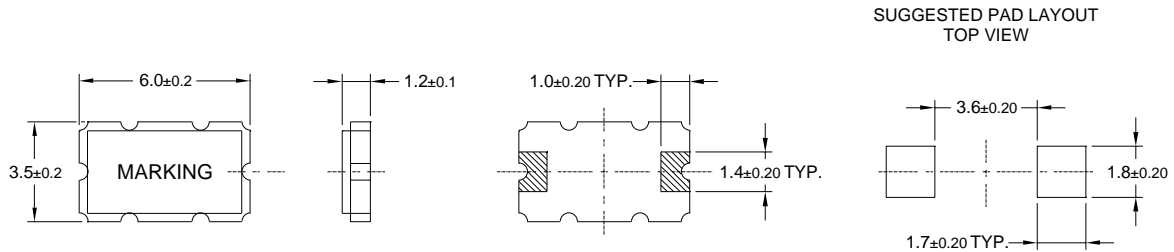
CARRIER TAPE AND REEL DIMENSIONS

### SPECIFICATION

NOMINAL FREQUENCY	12 MHz to 67 MHz
FREQUENCY TOLERANCE AT 25°C	±10ppm to ±50ppm
OPERATING TEMPERATURE RANGE	-10°C to +60°C
STORAGE TEMPERATURE RANGE	-40°C to +90°C
FREQUENCY STABILITY	±10ppm to ±50ppm
DRIVE LEVEL	0.1mW

### EQUIVALENT SERIES RESISTANCE

FREQUENCY	ESR	MODE
12 MHz to 15.999 MHz	60Ω	Fundamental
16 MHz to 40 MHz	40Ω	Fundamental
40 MHz to 67 MHz	70Ω	3rd Overtone



EQUIVALENT SERIES RESISTANCE		
FREQUENCY	ESR	MODE
12 MHz to 15.999 MHz	60Ω	Fundamental
16 MHz to 40 MHz	40Ω	Fundamental
40 MHz to 67 MHz	70Ω	3rd Overtone

SPECIFICATION	
NOMINAL FREQUENCY	12 MHz to 67 MHz
OPERATING TEMPERATURE RANGE	-10°C to +60°C
STORAGE TEMPERATURE RANGE	-40°C to +90°C
FREQUENCY STABILITY	±100ppm
DRIVE LEVEL	0.1mW

NOTE:- ABOVE PARAMETERS ARE FOR STANDARD CRYSTAL UNITS.  
OUR SALES OFFICE SHOULD BE CONTACTED FOR ADDITIONAL REQUIREMENTS.