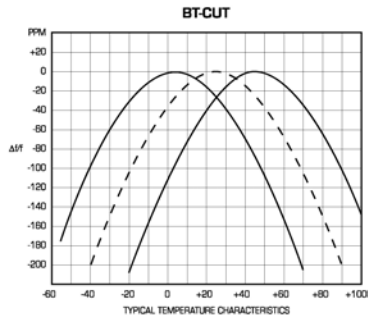
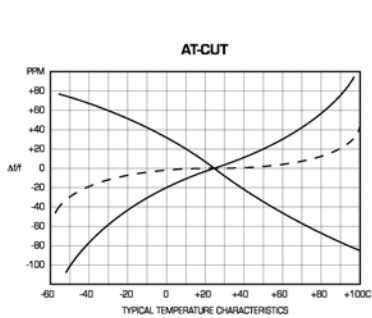
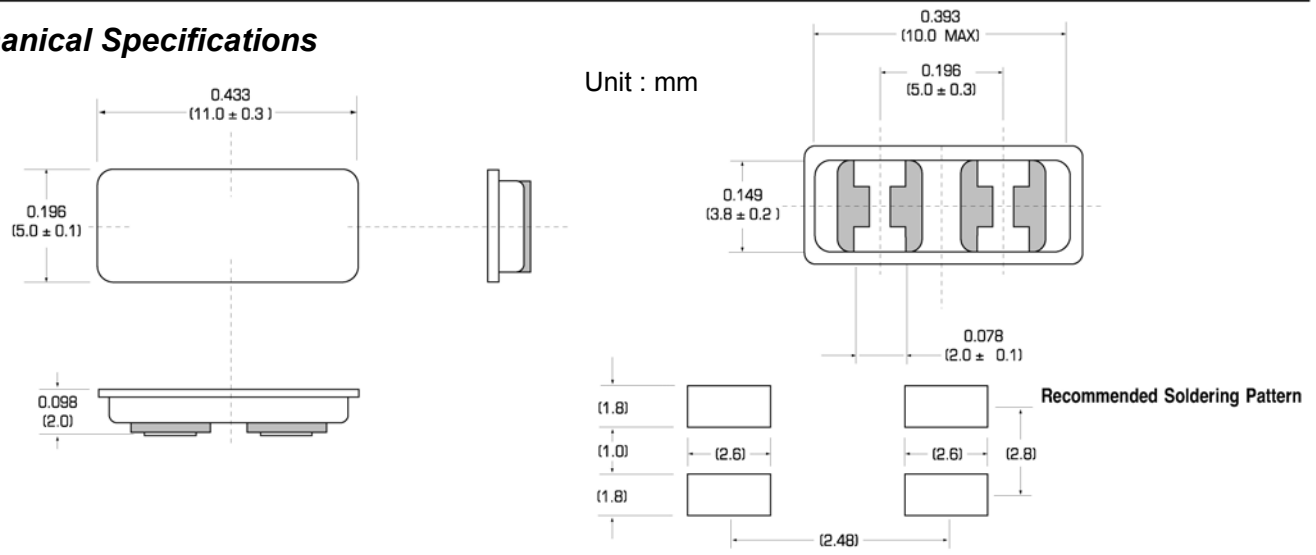


Electrical Specifications



Model	S 10	
Frequency Range	3.579545 MHz ~ 80.000 MHz	
Oscillation Mode	3.579545MHz ~ 44.000MHz (AT Fundamental) 48.000MHz ~ 80.000MHz (3rd Overtone)	
Frequency Tolerance @ 25°C	± 30ppm	
Frequency Stability	± 30ppm, ref. @ 25°C ±30ppm (±0.003%) over -10°C to +70°C (AT-CUT) ±50ppm (±0.005%) over -20°C to +70°C (AT-CUT) ±100ppm (±0.01%) over -10°C to +60°C (BT-CUT)	
Operating Temperature Range	-10°C ~ +60°C	
Storage Temperature Range	-40°C ~ +85°C	
Load Capacitance	Custom C _L and Series resonance available	
Shunt Capacitance	5pF Max	
Drive Level	100μ Watts Max	
Insulation Resistance	500 megohms Min / DC 50V	
Aging for first year	±3ppm Max	
Reflow Soldering Condition	10 Seconds Max at +235°C ± 5°C	

Mechanical Specifications



Frequency	Equivalent Series Resistance	Oscillation Mode
3.579545 ~ 6.0MHz	150Ω Max	Fundamental
6.0 ~ 10.0MHz	100Ω Max	Fundamental
10.0 ~ 14.0MHz	80Ω Max	Fundamental
14.0 ~ 25.0MHz	50Ω Max	Fundamental
25.0 ~ 45.0MHz	40Ω Max	Fundamental
45.0 ~ 80.0MHz	80Ω Max	3rd Overtone

