

Performance Specification Sheet

This specification is approved for use by all Departments and Agencies of the Department of Defense
SCOPE: The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-PRF-3098.

Pertinent Characteristics: 200 KHz to 900 KHz fundamental, Controlled, Series Resonance

Parameters	Symbol	Minimum	Typical	Maximum	Units	Conditions
Center Frequency	Fo	200		900	KHz	Inclusive
Oscillation Mode						Fundamental
Frequency Tolerance		-20		+20	ppm	Operating Temperature Range
Frequency Stability		-5		+5	ppm	
Equivalent Resistance				See Table 2	Ohms (Ω)	See Page 2
Reference Temperature		+74	+75	+76	$^{\circ}\text{C}$	
Temperature Ranges		+70		+80	$^{\circ}\text{C}$	Operating-Controlled (Inclusive)
		-40		+70	$^{\circ}\text{C}$	Inclusive
Bond Strength				See Table 1	Grams	See Page 2
Rated Drive Level	DL			1.0	mW	
Resonance			Series			
Aging		-5		+5	ppm	Frequency Change Permitted

Environmental Specifications

Shock (Specified Pulse)		-5.0		+5.0	ppm	Frequency Change Permitted
		-15.0		+15.0	%	Equivalent Resistance Change Permitted
Temperature Run		-10.0		+10.0	ppm	Frequency Change Permitted
		-15.0		+15.0	%	Equivalent Resistance Change Permitted
Vibration: (Method 201 of MIL-STD-202)		-5.0		+5.0	ppm	Frequency Change Permitted
		-15.0		+15.0	%	Equivalent Resistance Change Permitted


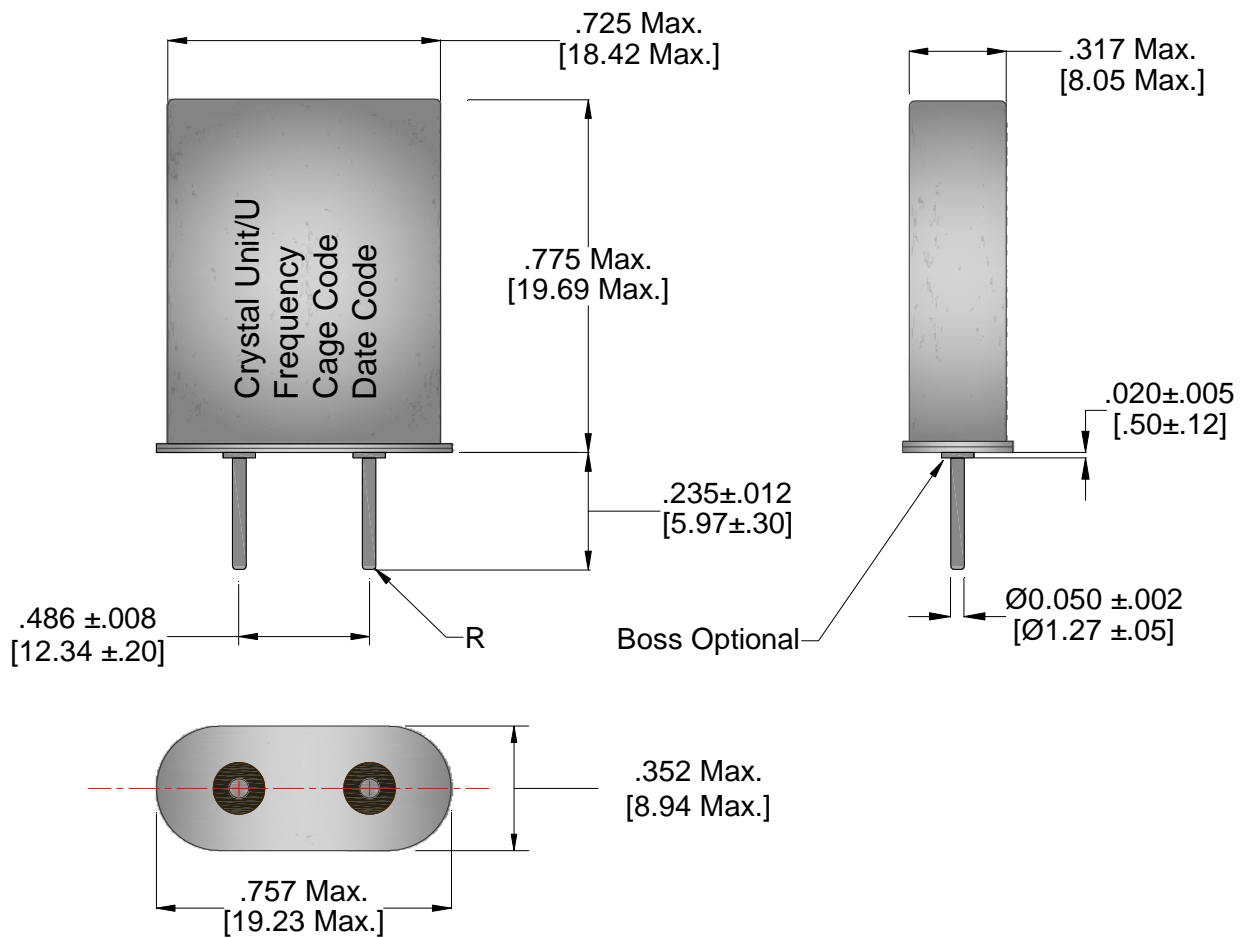
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8/31/2018	0	N/A	D. Gibney	Yes	<i>C. Sokol</i>			
						Part Number:	Date: 8/31/2018	

Table 1: Bond Strength

Frequency Range Inclusive (KHz)	Grams minimum
200 to 250	700
250+ to 320	500
320+ to 370	400
370+ to 435	300
435+ to 555	250
555+ to 900	250

Table 2: Equivalent Resistance

Frequency Range Inclusive (KHz)	Maximum Resistance (Ohms)
200 to 225	2,500
225+ to 265	3,000
265+ to 290	3,500
290+ to 330	4,000
330+ to 370	4,500
370+ to 410	5,000
410+ to 425	5,500
425+ to 460	6,500
460+ to 555	7,500
555+ to 900	7,500



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8/31/2018	0	N/A	D. Gibney	Yes	<i>C. Sakal</i>	Part Number:	Date: 8/31/2018	3BPV9