

AT-CUT CRYSTAL RESONATORS

THHF-26 / THHF-38 / THHF-39 / THHF-310



FEATURES

AT-cut crystal performance
Ideal for Microprocessor Applications

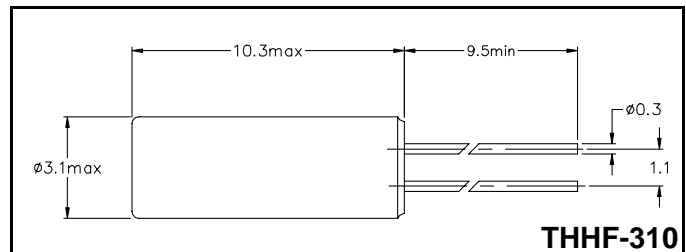
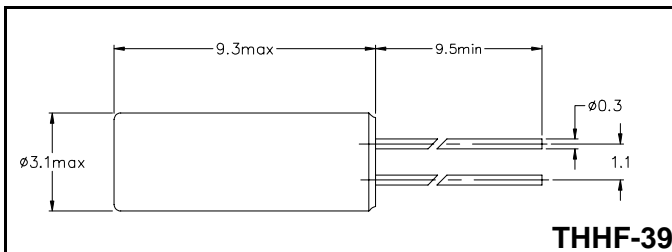
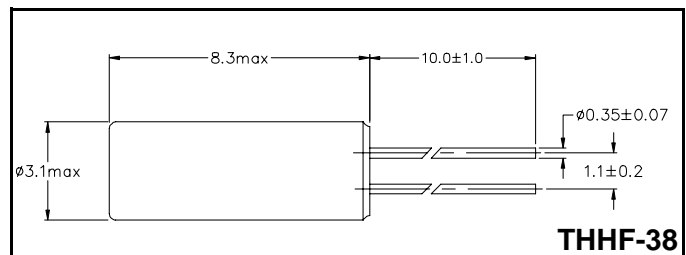
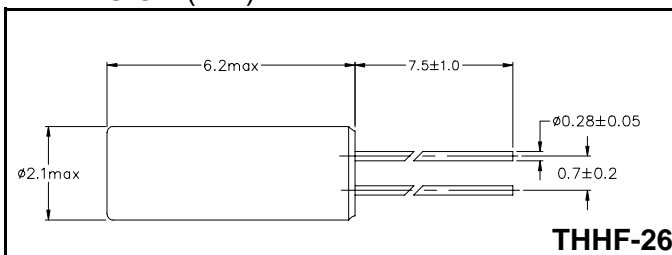


Item		THHF-26	THHF-38	THHF-39	THHF-310
Nominal Frequency Range	f_0	6.0 ~ 48.0MHz	6.0 ~ 48.0MHz	4.0~6.0MHz	3.579 ~ 4.0MHz
Frequency Tolerance, $T_a=25^\circ\text{C} \pm 3^\circ\text{C}$	$\Delta f/f$	±30ppm			
Load Capacitance	C_L	18pF, or customer specify			
Frequency Tolerance over Operating Temperature Range	$\Delta f/f$	±30ppm			
Operating Temperature Range	T_{OPR}	-10°C to 70°C			
Storage Temperature Range	T_{STG}	-40°C to 85°C			
Drive Level	DL	0.1mW (1mW Max.)			
Shunt Capacitance	C_0	7pF Max.			
Insulation Resistance	IR	500MΩ Min.			
Aging	Δf_A	±5ppm/Year Max.			

SERIES RESISTANCE (ESR)						
Frequency Range	$3.579 < f_0 < 6.0$	$6.0 < f_0 < 12.0$	$12.0 < f_0 < 20.0$	$20.0 < f_0 < 36.0$	$36.0 < f_0 < 48.0$	48.0 (3rd overtone)
ESR	150Ω Max.	100Ω Max.	70Ω Max.	50Ω Max.	80Ω Max.	

Please consult our sales representatives for other specifications.

DIMENSION (mm)



All specifications are subject to change without notice.



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