

ALL CERAMIC CRYSTAL RESONATORS (SMD)

SMAC-5032



FEATURES

- All ceramic SMD package
- Ultra-light weight and miniature size
- Wide frequency range

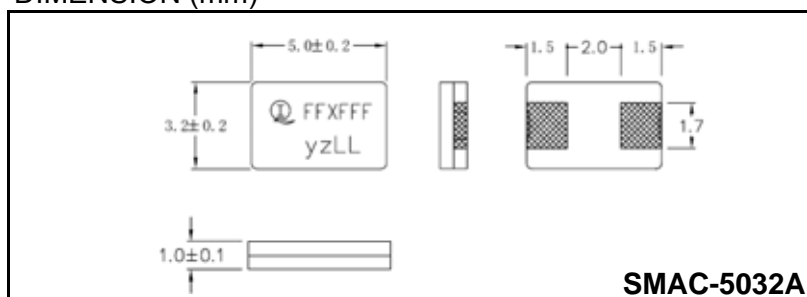


Item		Specifications
Nominal Frequency Range	f_0	12.0MHz ~ 30.0MHz (Fundamental)
Frequency Tolerance, $T_a=25^{\circ}\text{C} \pm 3^{\circ}\text{C}$	$\Delta f/f$	$\pm 30\text{ppm}$
Load Capacitance	C_L	20pF
Frequency Tolerance over Operating Temperature Range	$\Delta f/f$	$\pm 30\text{ppm}$
Operating Temperature Range	T_{OPR}	$-10^{\circ}\text{C} \sim +70^{\circ}\text{C}$
Storage Temperature Range	T_{STG}	$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
Drive Level	DL	0.1mW (0.5mW Max.)
Shunt Capacitance	C_0	7pF Max.
Insulation Resistance	IR	500M Ω Min.
Aging	Δf_A	$\pm 5\text{ppm/Year Max.}$

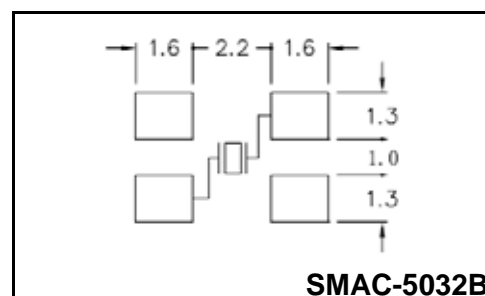
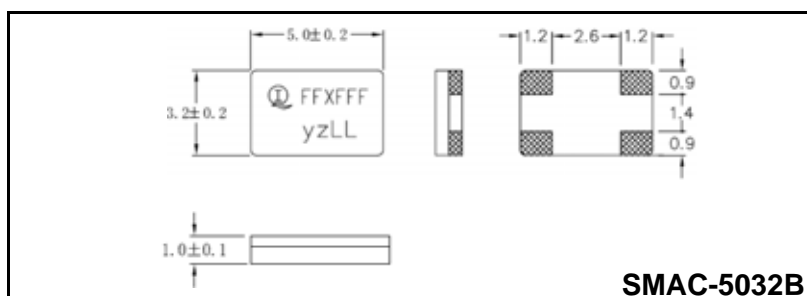
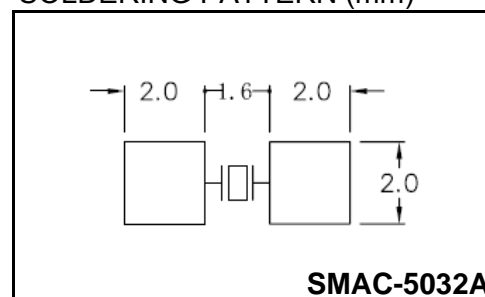
SERIES RESISTANCE (ESR)		
Frequency Range	12.000 < f_0 16.000	16.000 < f_0 30.000
ESR	80 Ω Max.	50 Ω Max.

Please consult our sales representatives for other specifications.

DIMENSION (mm)



SOLDERING PATTERN (mm)



All specifications are subject to change without notice.



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