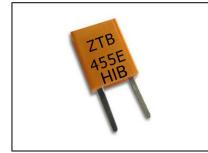


ZTB Series





The ZTB series ceramic resonator is a low profile frequency control product of low frequency from 190KHz to 1250KHz. This product has a more competitive price than quartz crystal, that make it a substitute for the quartz crystal when need lower price.

0.19 to 1.25MHz

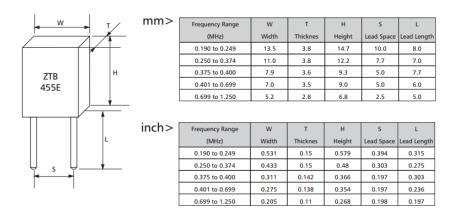
FEATURES

- Lower Cost
- Good Stability
- Wide Frequency Range
- Small compact size

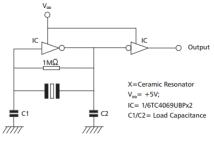
Electrical Specifications

Parameter	Symbol	Condition	Min	Тур	Max	Units
Frequency Range	Fo		0.190		1.250	MHz
Frequency Tolerance	$\Delta F/F_0$	at 25°C	±0.5	±0.5	±0.5	%
Temperature Stability	Tc	Ref to 25°C	±0.3	±0.3	±0.3	%
Operating Temperature Range	T _{OPR}		-40	-20 to +80	+85	٥C
Storage Temperature Range	T _{STG}		-55	-40 to +85	+125	٥C
Resonator Resistance	ESR	0.19 to 0.509MHz			20	Ω
		0.51 to 0.699MHz			30	Ω
		0.70 to 0.999MHz			70	Ω
		1.00 to 1.250MHz			100	Ω
Insulator Resistance	I _R	100 V _{DC}	500			MΩ
Recommended Capacitors (see test circuit below)		0.19 to 0.249MHz	C1=330, C2=470			pF
		0.25MHz to 0.374MHz	C1=220, C2=470			pF
		0.375 to 0.400MHz	C1=120, C2=470 C1=C2=100			pF
		0.401 to 1.250MHz				pF
Drive Level	DL		10	100	1000	μW
Aging	Fa	at 25°C, per year	-0.3	-0.3	-0.3	PPM

Mechanical Dimensions



Test Circuit For MOS IC



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