

# CERAMIC RESONATOR

ZTB Series, DIP AND SMD TYPE

## SCOPE

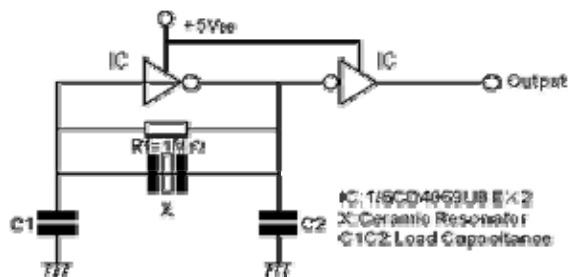
This specification relates to piezoelectric ceramic resonator to be used in a clock generating circuit for microprocessors.

## ELECTRICAL CHARACTERISTICS

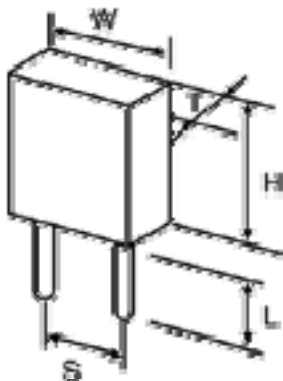
Part Number		Frequency Accuracy(25°C)	Resonant Impedance	Frequency Stability	Aging for ten years	Capacitance	
DIP Type	SMD Type					C1	C2
ZTB190-249E		±1KHz	≤20	+/-0.3%	+/-0.3%	330	470
ZTB250-374E		±1KHz	≤20	+/-0.3%	+/-0.3%	220	470
ZTB375-429E	ZTB375-429E	±1KHz	≤20	+/-0.3%	+/-0.3%	120	470
ZTB430-509E	ZTB430-509E	±2KHz	≤20	+/-0.3%	+/-0.3%	100	100
ZTB510-699E	ZTB510-699E	±2KHz	≤20	+/-0.3%	+/-0.3%	100	100
ZTB700-1250E	ZTB700-1250E	±0.5%	≤70	+/-0.3%	+/-0.3%	100	100

\*Please consult our sales representative for other specifications.

## TEST CIRCUIT FOR MOSIC



## DIMENSIONS (MM)

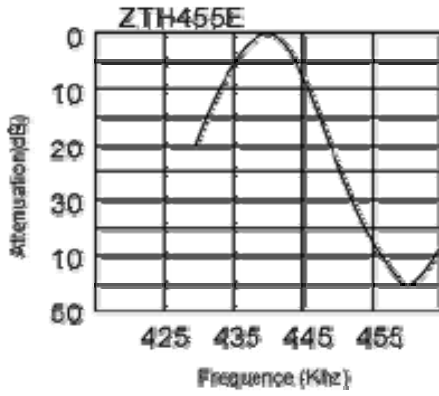


Frequency Range(KHz)	Width W(mm)	Thickness T(mm)	Height H (mm)	Lead Space S(mm)	Lead Length L(mm)
190-249	13.5	3.8	14.7	10.0	8.0
250-374	11.0	3.8	12.2	10.0	7.0
375-400	7.9	3.6	9.3	7.7	7.0
401-699	7.0	3.5	9.0	5.0	4.0(6.0)
700-1250	5.2	2.8	6.8	2.5	3.5

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## CHARACTERISTICS



## DIMENSIONS OF SMD TYPE (MM)

