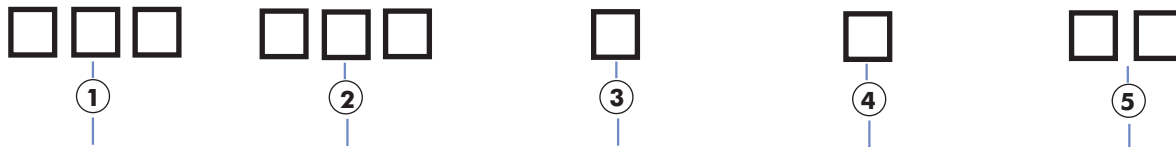


PART NUMBER CODING

The part numbers for ZTB ceramic resonators are derived according to the following table:

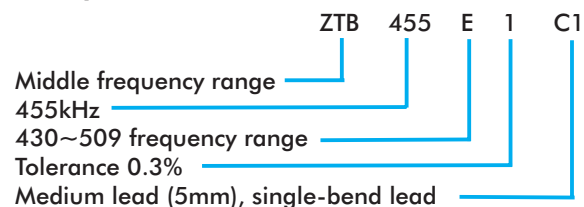


	Part Number	Frequency	Frequency Range	Tolerance	Lead Length and Form
Explanation	3 alpha characters represent the frequency range of the resonator	Digits represent frequency a) the units 'kHz' is omitted b) 'M' indicates MHz.	An alpha character represents frequency range	A combination of digits and alpha characters represent tolerance.	A combination of alpha characters and digits represent lead length and form a) Alpha characters indicate lead length b) Digits indicate lead form
Part Number Codes	'ZTB' indicates middle frequency range	455 ~ 455kHz 1.0M ~ 1MHz	D 190~249kHz D 250~374kHz P 375~429kHz E 430~509kHz P 510~699kHz J 700~999kHz J 1~1.25MHz	0 ±0.5% 1 ±0.3% 2 ±0.2% 5 ±2kHz 6 ±1kHz 7 ±0.7% 8 ±1.0% a) The '0' indicating standard tolerance is omitted. b) 'Tn' indicates custom specification e.g. T1, T2 etc.	A ~ Short lead B ~ Long lead C ~ Medium lead (standard) a) The 'A' representing short lead is omitted. 0 ~ straight lead 1 ~ single-bend lead 2 ~ double-bend lead b) The 'J' indicating straight lead is omitted.

Lead Length Table

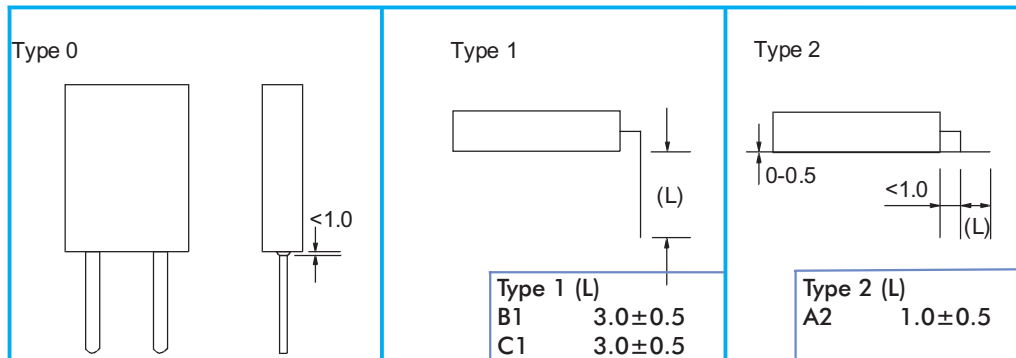
Frequency Range	A	B	C
190 to 249kHz (D)	8.0		
250 to 374kHz (D)	7.0		6.0
375 to 429kHz (P)	4.0		6.0
430 to 509kHz (E)	4.0		5.0
510 to 699kHz (P)	4.0		5.0
700 to 999kHz (J)	3.5	5.5	
1 to 1.25MHz (MJ)	3.5	5.5	

Example Part Number



PART NUMBER CODES ZTB SERIES

Lead Form (mm)



Lead Specifications

Resonator Frequency	Lead Alignment		Lead Width	Lead Pitch	Lead Thickness
	Equal-line Location	Bias-line Location			
190~249kHz	1.6±0.3mm (Bias)		0.8mm	10mm	0.15mm
250~374kHz	1.6±0.3mm (Bias)		0.8mm	7.7mm	0.15mm
375~429kHz	±0.3mm (Equal)		0.8mm	5mm	0.5mm
430~449kHz	±0.3mm (Equal)		0.8mm	5mm	0.5mm
450~509kHz	±0.3mm (Equal)		0.8mm	5mm	0.5mm
510~610kHz	±0.3mm (Equal)		0.8mm	5mm	0.5mm
700~999kHz	±0.3mm (Equal)		0.8mm	2.5mm	0.5mm
1 ~ 1.25MHz	±0.3mm (Equal)		0.8mm	2.5mm	0.5mm

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