

深圳市康华尔电子有限公司

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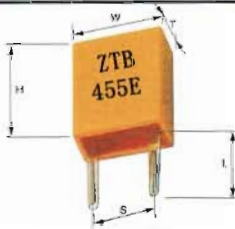
ZTB 系列陶瓷谐振器 ZTB Series of Ceramic Resonator

190-1250kHz

技术特性 TECHNICAL CHARACTERISTICS

型号 Part Number	频率精度 Frequency Accuracy	谐振阻抗 Resonant Impedance(Ω)	温度稳定性 Stability in Temperature (-20~+80°C)(%)	老化率(10年) Aging For Ten Years (%)	负载电容 Load Capacitance (pF)	
					C1	C2
ZTB190~249D	$\pm 1\text{kHz}$	≤ 20	± 0.3	± 0.3	330	470
ZTB250~374D	$\pm 1\text{kHz}$	≤ 20	± 0.3	± 0.3	220	470
ZTB375~429P	$\pm 2\text{kHz}$	≤ 20	± 0.3	± 0.3	120	470
ZTB430~509E	$\pm 2\text{kHz}$	≤ 20	± 0.3	± 0.3	100	100
ZTB510~699P	$\pm 2\text{kHz}$	≤ 30	± 0.3	± 0.3	100	100
ZTB700~999J	$\pm 0.5\%$	≤ 70	± 0.3	± 0.3	100	100
ZTB1000~1250J	$\pm 0.5\%$	≤ 100	± 0.3	± 0.3	100	100

外形与尺寸 FIGURE AND DIMENSIONS



频率范围(kHz) Frequency Range	宽W(mm) Width	厚T(mm) Thickness	高H(mm) Height	脚距S(mm) Lead Space	引线长L(mm) Lead Length
190~249	13.5	3.6	14.7	10.0	8.0
250~374	11.0	3.6	12.2	7.7	7.0
375~429	7.9	3.6	9.3	5.0	6.0
430~699	7.0	3.5	9.0	5.0	4.0(6.0)
700~1250	5.1	2.2	6.3	2.5	4.0

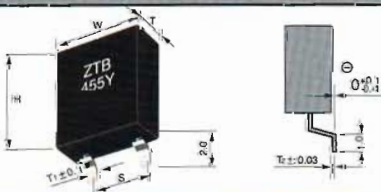
ZTBOY 系列表面安装陶瓷谐振器 ZTBOY Series Surface Mountable Ceramic Resonator

190-1250kHz

技术特性 TECHNICAL CHARACTERISTICS

型号 Part Number	频率精度 Frequency Accuracy	谐振阻抗 Resonant Impedance(Ω)	温度稳定性 Stability in Temperature (-20~+80°C)(%)	老化率(10年) Aging For Ten Years (%)	负载电容 Load Capacitance (pF)	
					C1	C2
ZTB375~429Y	$\pm 2\text{kHz}$	≤ 20	± 0.3	± 0.3	120	470
ZTB430~509Y	$\pm 2\text{kHz}$	≤ 20	± 0.3	± 0.3	100	100
ZTB510~699Y	$\pm 2\text{kHz}$	≤ 30	± 0.3	± 0.3	100	100
ZTB700~999Y	$\pm 0.5\%$	≤ 70	± 0.3	± 0.3	100	100
ZTB1000~1250Y	$\pm 0.5\%$	≤ 100	± 0.3	± 0.3	100	100

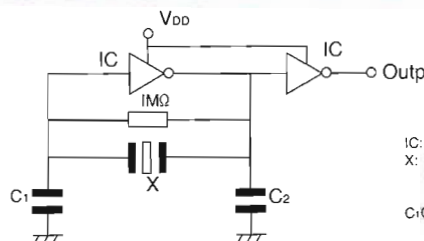
外形与尺寸 FIGURE AND DIMENSIONS



频率范围(kHz) Frequency Range	宽W(mm) Width	厚T(mm) Thickness	高H(mm) Height	脚距S(mm) Lead Space	T ₁	T ₂
375~429	8.0	3.5	9.0	5.0	1.1	0.15
430~509	7.5	3.3	8.5	5.0	1.1	0.15
510~699	7.0	3.0	8.5	5.0	1.1	0.15
700~1250	5.0	2.2	6.0	2.5	0.8	0.12

ZTB/ZTBOY 系列陶瓷谐振器 ZTB/ZTBOY Series of Ceramic Resonator

测试电路 TEST CIRCUIT



IC: 74VHC4069UBP×2
X: 陶瓷谐振器
Ceramic Resonator
C1,C2: 负载电容
Load capacitance