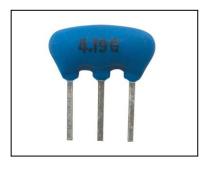
# Disponível em 3.58MHz & 4.00MHz Descontinuado para outras frequências Sugestão: Versão ZTT SMD ou Cristal Consulte nosso saldo de estoque



# ZTT Series 1.8 to 50MHz



The ZTA series ceramic resonator is a low profile frequency control product with built-in capacitor. This product has a more competitive price than quartz crystal, that make it a substitute for the quartz crystal when need lower price.

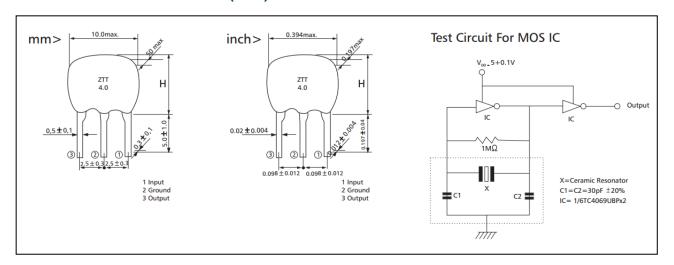
#### **FEATURES**

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

## **Electrical Specifications**

Parameter	Symbol	Condition	Min.	Тур.	Max.	Units
Frequency Range	F <sub>0</sub>		1.800	3.58 & 4.00	50.000	MHz
Frequency Tolerance	$\Delta F/F_0$	at 25°C	±0.3	±0.5	±0.5	%
Temperature Stability	T <sub>C</sub>	Ref to 25°C	±0.3	±0.5	±0.3	%
Operating Temperature Range	$T_{OPR}$		-40	-20 to +80	+85	°C
Storage Temperature Range	T <sub>STG</sub>		-55	-40 to +85	+125	°C
Resonator Resistance	ESR	1.8 to 2.99MHz			80	Ω
		3.0 to 3.49MHz			50	Ω
		3.5 to 5.99MHz			30	Ω
		6.0 to 12.99MHz			25	Ω
		13.0 to 50.0MHz			35	Ω
Insulator Resistance	$I_R$	100 V <sub>DC</sub>	500			ΜΩ
Drive Level	D <sub>L</sub>		10	100	1000	μW
Aging	Fa	at 25°C, per year	-0.3	-0.3	-0.3	PPM

### Mechanical Dimensions - mm (inch)



Frequecy Range	H (mm max)
1.8 to 23.99MHz	10
24 to 31.99MHz	7.5
32 to 50MHz	6.5

Frequecy Range	H inch max)
1.8 to 23.99MHz	0.394
24 to 31.99MHz	0.295
32 to 50MHz	0.256