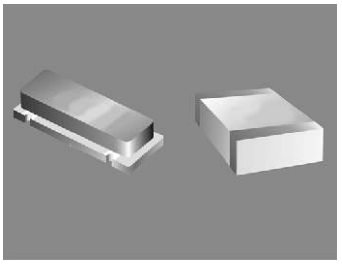
Resonator SMD, 3 Pin



ZTTCC/MG
ZTTCS/MT
ZTTCS/MX

Features:

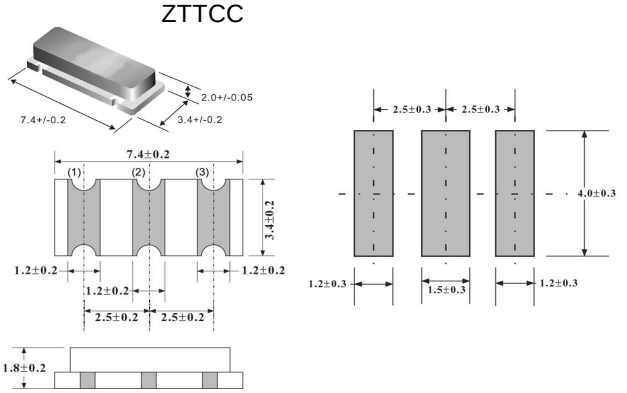
- Built-in capacitor
- Low cost
- Consumer electronics
- Microprocessor systems
- Excellent for automatotive applications

Specifications

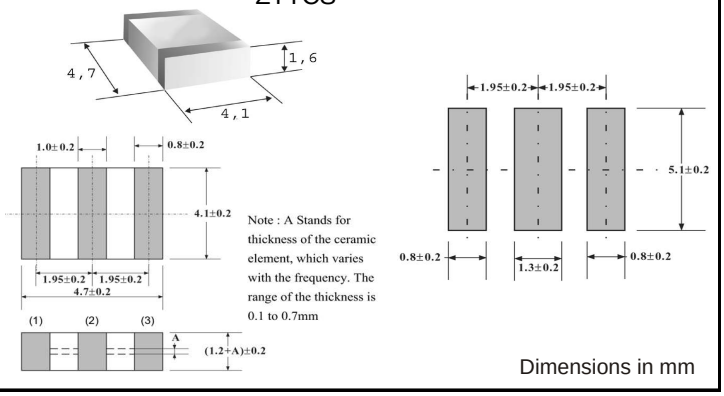
Part		*ZTTCC/MG*	*ZTTCS/MT*	*ZTTCS/MX*	
Frequency range (MHz)		1.84 ~ 8.0	6.0 ~ 13.0	13.01 ~ 40.0	40.01 ~ 50.0
Frequency accuracy (25°C)		+/-0.5%	+/-0.5%	+/-0.5%	
Temp. stability (-20°C ~ +80°C)		+/-0.3%	+/-0.4%	+/-0.3%	
Aging (over 10 years)		+/-0.3%	+/-0.3%	+/-0.3%	
Build-in load capacitance C1 C2 (pF)	C1	22	30	15	5
	C2	22	30	15	5

Drawing

ZTTCC



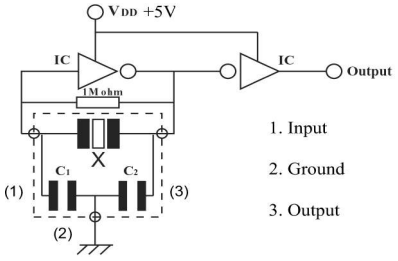
ZTTCS



Note : A Stands for thickness of the ceramic element, which varies with the frequency. The range of the thickness is 0.1 to 0.7mm

Dimensions in mm

Test circuit



1. Input
2. Ground
3. Output

C1 C2 : as listed
IC : 1/6 4069UBP x 2 (MG ; MT)
1/6 74HCU04 x 2 (MX)
X : Ceramic resonator

Order key

R	**- 8.000000M**	**- ZTTCC/MG**	**- 0.5**	**- 0.3**	**- H**	**- 22/22**
Part	**Frequency**	**Type/Package**	**Frequency tolerance**	**Temperature tolerance**	**Temperature range**	**Internal load capacitance**
R=Resonator	K=KHz M=MHz	ZTTCC/MG ZTTCS/MT ZTTCS/MX	+/-KHz or % (25°C)	+/-% (Temp. range)	H=-20°C ~ +80°C	pF C1/C2

Remarks: All specifications subject to change without notice!