

# Ceramic Resonator

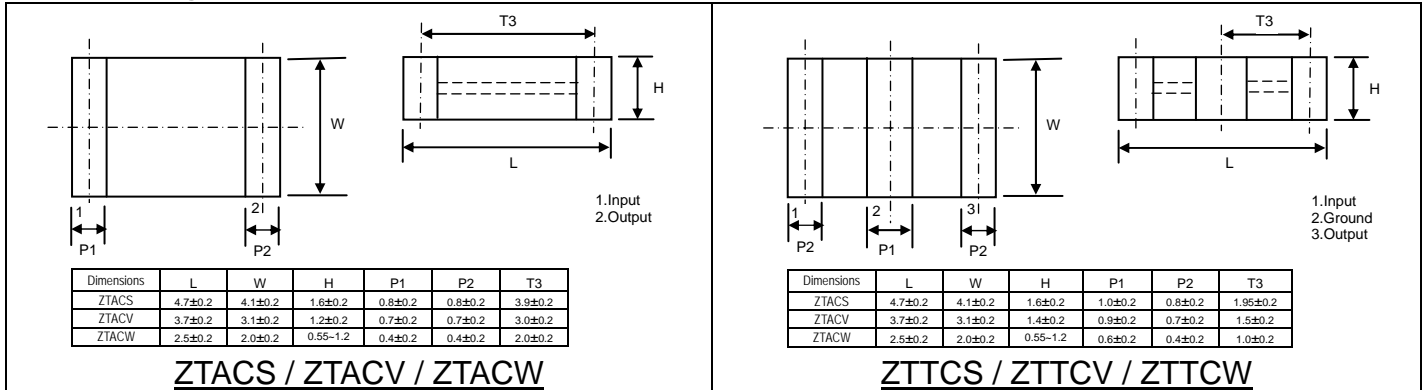
## ZTACS, ZTTCS, ZTACV, ZTTCV, ZTACW, ZTTCW Case (SMD)

### Feature & Applications:

- Small Outline
- Low impedance
- Consumer Applications

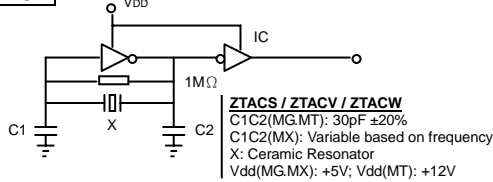
### Outline Drawing

Dimension (Unit:mm)

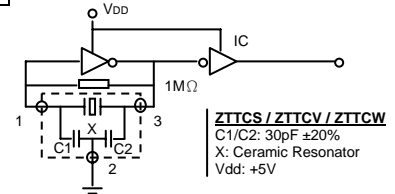


### Test Circuit (For MOS IC)

ZTACS / ZTACV / ZTACW



ZTTCS / ZTTCV / ZTTCW



### General Characteristics

Part No.	Frequency Range	Frequency Tolerance	Stability -20~+80°C	Aging 10 years	Resonant Impedance	Load Cap (pF)	
						CL1	CL2
ZTACS6.00-13.00 MT	6.00 ~ 13.00 MHz	±0.5%	±0.4%	±0.3%	30 ~ 60 Ω	30	30
ZTACS13.01-60.00 MX	13.01 ~ 60.00 MHz	±0.5%	±0.3%	±0.3%	30 ~ 60 Ω	30	30
ZTTCS6.00-13.00 MT	6.00 ~ 13.00 MHz	±0.5%	±0.4%	±0.3%	30 ~ 60 Ω	-	-
ZTTCS13.01-60.00 MX	13.01 ~ 60.00 MHz	±0.5%	±0.3%	±0.3%	30 ~ 60 Ω	-	-
ZTACV8.00-13.00 MT	8.00 ~ 13.00 MHz	±0.5%	±0.4%	±0.3%	30 ~ 60 Ω	30	30
ZTACV16.0-60.00 MX	16.0 ~ 60.00 MHz	±0.5%	±0.3%	±0.3%	30 ~ 60 Ω	30	30
ZTTCV8.00-13.00 MT	8.00 ~ 13.00 MHz	±0.5%	±0.4%	±0.3%	30 ~ 60 Ω	-	-
ZTTCV16.0-60.00 MX	16.0 ~ 60.00 MHz	±0.5%	±0.3%	±0.3%	30 ~ 60 Ω	-	-
ZTACW20.0-60.00 MX	20.0 ~ 60.00 MHz	±0.5%	±0.3%	±0.3%	30 ~ 60 Ω	30	30
ZTTCW20.0-60.00 MX	20.0 ~ 60.00 MHz	±0.5%	±0.3%	±0.3%	30 ~ 60 Ω	-	-

### Part Number Guide:

ZTACS - 6.00M - T - 05 - N  
 Ceramic Frequency Range Tolerance Options  
 SMD Resonator 6.00 = 6MHz T = 6~13MHz 05 = ±0.5% N=No option  
 Case Type