



THT ZTA SERIES CERAMIC RESONATORS

FEATURES

- ☐ High reliability for low cost
- ☐ Small dimensions and low profile
- ☐ Wide frequency range
- ☐ Excellent clock signal generator
- ☐ Tape & Reel delivery form possible

RoHS-2 2011/65/EU
compliant

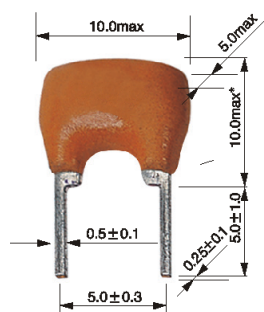
GENERAL DATA

Part Number	Frequency Range	Frequency Accuracy	Stability over Temperature	Operating Temperature	Aging For 10 Years
ZTAWs-MG	1.79 ~ 6.00 MHz	±0.5% at 25°C	±0.3% over -25/+85°C	-25/+85°C	±0.3%
ZTARS-MG	6.01 ~ 12.50 MHz	±0.5% at 25°C	±0.3% over -25/+85°C	-25/+85°C	±0.3%
ZTA-MT	6.00 ~ 13.00 MHz	±0.5% at 25°C	±0.3% over -25/+85°C	-25/+85°C	±0.3%
ZTA-MX	12.00 ~ 60.0 MHz	±0.5% at 25°C	±0.3% over -25/+85°C	-25/+85°C	±0.3%
ZTARS-MX	16.00 ~ 60.0 MHz	±0.5% at 25°C	±0.3% over -25/+85°C	-25/+85°C	±0.3%

OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION

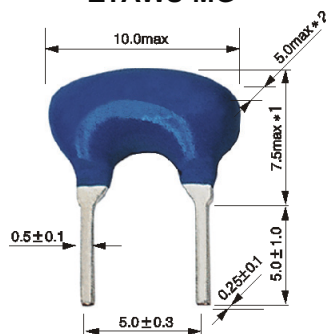
DIMENSIONS

ZTA-MT/MX



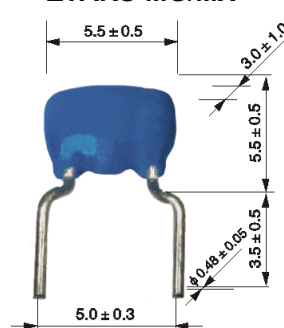
*MT: 10.0 max;
 *MX: 12.00~23.99MHz, 10.0 max
 24.00~31.99MHz, 7.5 max
 32.00~60.00MHz, 6.5 max

ZTAWs-MG



*1 WS: 5.5 max;
 *2 WS: 4.0 max;

ZTARS-MG/MX



CRYSTALS

OSCILLATORS

CERAMIC RESONATORS



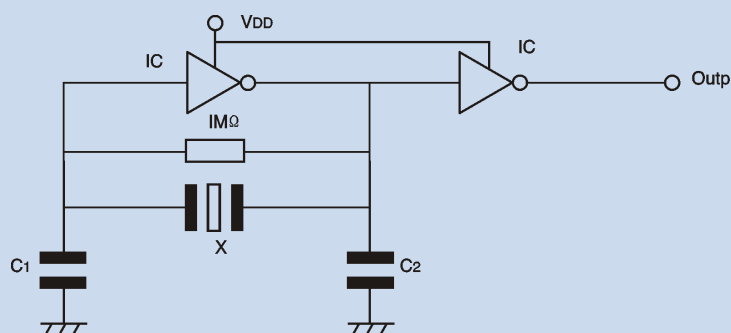
Premium Quality by
PETERMANN-TECHNIK

CERAMIC FILTERS

SAW COMPONENTS

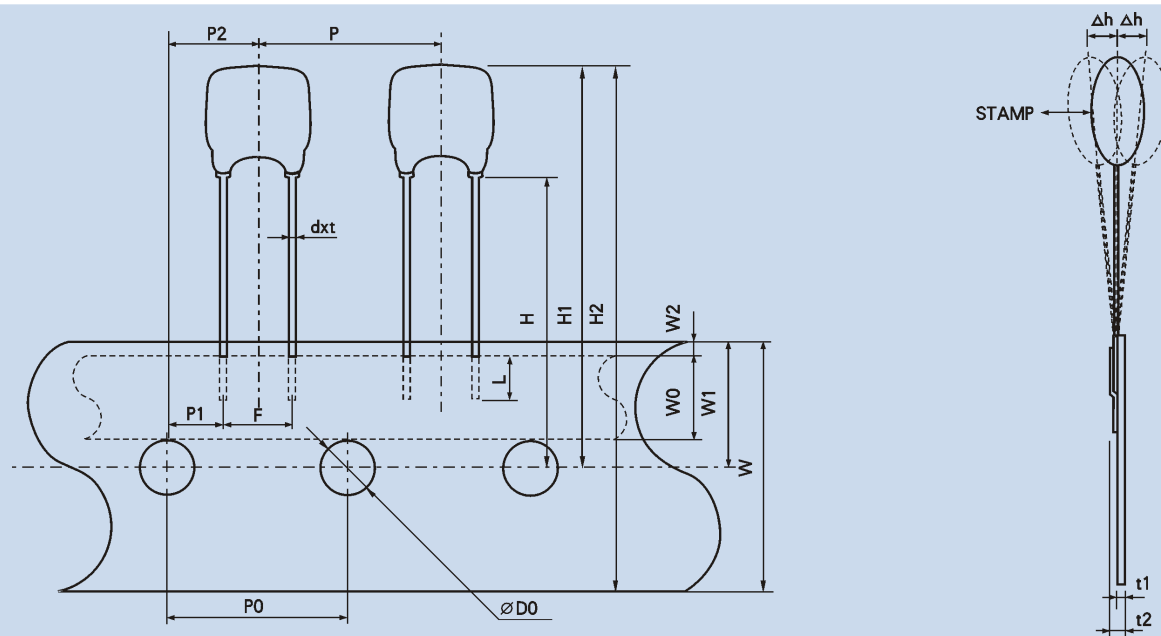
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TEST CIRCUIT FOR MOS IC



IC(MG,MT): 1/6TC4069UBP × 2
 (MX): 1/6TC74HCU04 × 2
 C₁C₂(MG,MT): 30pF
 (MX): 30pF(12.00 ~ 20.00MHz)
 15pF(20.01 ~ 25.99MHz)
 5pF(26.00 ~ 60.00MHz)
 X: Ceramic Resonator
 V_{DD}: +5V

AMMO PACK TAPING DIMENSIONS (OPTION)



Code	P	P0	P1	P2	F	dxt	W	W0	W1	W2	H	H1	H2	L	ØD0	T1	T2	Δh
Size	12.7±0.5	12.7±0.2	3.85±0.5	6.35±1.3	5.0 [*] +0.5 -0.3	0.5X0.25(±0.1) (Ø0.48±0.05)	18.0±0.5	5.5±0.5	9.0±0.5	1.0max	18.0 ⁺ -1.0	27.0max	36.0max	3.0min	4.0±0.2	0.6±0.2	1.5max	1.0max

2000pcs per box

*Include the slant of products

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ORDERING INFORMATION

Series

ZTAWS

Frequency

6.000

Model Code

MG

Delivery
Form

BO

Example: ZTAWS-6.000MG BO
PLEASE INDICATE YOUR REQUIRED SERIES

DELIVERY FORM

OPTIONS:

B0	= Bulks (standard)
A0	= AMMO PACKING (2.000 pcs per ammo pack)

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