

Description

- Built-in capacitor MHz band ceramic oscillators for microprocessors and infra-red remote controls, telephone D.T.M.F., reference signal oscillators, etc.
- Applicable oscillating frequency range: 2.5 — 6.0MHz

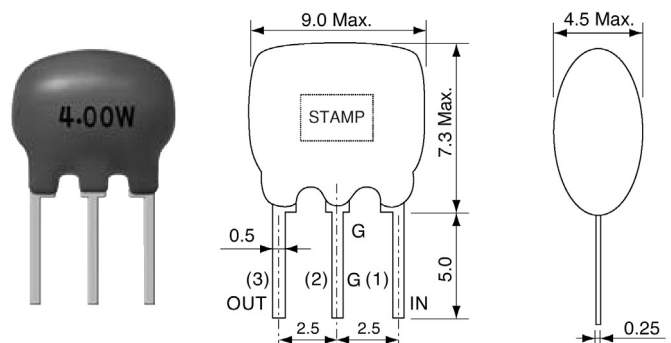
Features

- Precise oscillating frequency without adjustment.
- Load capacitors (C_1 , C_2) built-in
- May be used with a variety of ICs.
- Available on tape and reel (CRHTCP for taping)
- Lead-free terminations

Applications

- Reference signal oscillators for microprocessors (household electronics, OA equipment).
- Reference signal oscillators for remote controls (TVs, VCRs, air-conditioners, CD players, lighting).
- Digital applications equipment including measuring instruments, communications equipment, toys, etc.

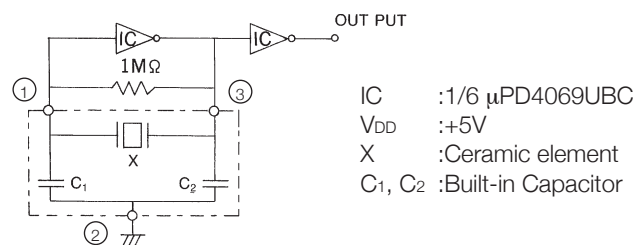
Dimensions



Unit: mm

Test Circuit

Oscillating frequency test circuit



STANDARD RESONATORS SELECTION GUIDE

TYPE CRHTC/CRHTCP (MHz band with built-in capacitors)

TOKO Part Number	Oscillating* Frequency (Fosc)	Resonance Impedance (Ω)	Fosc Static Temp. Stability ($-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$)	External Capacitor C_1 (pF)	External Capacitor C_2 (pF)	Note
DCRHTC3.58	3.58MHz $\pm$ 0.5%	30 max.	$\pm$ 0.3%	Built-in	Built-in	
DCRHTC4.00	4.00MHz $\pm$ 0.5%	30 max.	$\pm$ 0.3%	Built-in	Built-in	
DCRHTC4.19	4.19MHz $\pm$ 0.5%	30 max.	$\pm$ 0.3%	Built-in	Built-in	
DCRHTC5.00	5.00MHz $\pm$ 0.5%	25 max.	$\pm$ 0.3%	Built-in	Built-in	
DCRHTC6.00	6.00MHz $\pm$ 0.5%	25 max.	$\pm$ 0.3%	Built-in	Built-in	
T1ZCRHTC3.58-AG	3.5795	30 max.	$\pm$ 0.3%	Built-in	Built-in	D.T.M.F.
T1ZCRHTC4.19-AF	4.1943	30 max.	$\pm$ 0.3%	Built-in	Built-in	D.T.M.F.

* Oscillating frequency tolerance can be designed to desired level. TOKO performs matching evaluations for all types of ICs. Please contact TOKO regarding applicable products.



The information furnished by TOKO, Inc. is believed to be accurate and reliable. However, TOKO reserves the right to make changes or improvements in the design, specification or manufacture of its products without further notice. TOKO does not assume any liability arising from the application or use of any product or circuit described herein, nor for any infringements of patents or other rights of third parties which may result from the use of its products. No license is granted by implication or otherwise under any patent or patent rights of TOKO, Inc.