R-TOK

CRHTC/CRHTCP

CERAMIC RESONATORS

Max

e

0.0

IN

G

2.5

Description

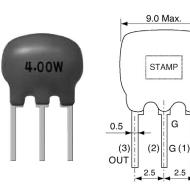
- Built-in capacitor MHz band ceramic oscillators for microprocessors and infra-red remote controls, telephone D.T.M.F., reference signal oscillators, etc.
- Applicable oscillating frequency range: 2.5 6.0MHz

Features

- · Precise oscillating frequency without adjustment.
- Load capacitors (C₁, C₂) 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.



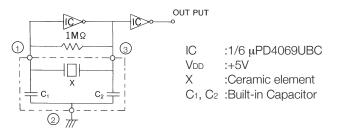


Unit: mm

Test Circuit

Dimensions

Oscillating frequency test circuit



STANDARD RESONATORS SELECTION GUIDE

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

TOKO	Oscillating*	Resonance	Fosc Static	Externa	al Capacitor	Note
Part	Frequency	Impedance	Temp. Stability	C,	C2	
Number	(Fosc)	(Ω)	(–20°C~+80°C)	(pF)	(pF)	
DCRHTC3.58 DCRHTC4.00 DCRHTC4.19 DCRHTC5.00 DCRHTC6.00 T1ZCRHTC3.58-AG T1ZCRHTC4.19-AF	3.58MHz±0.5% 4.00MHz±0.5% 4.19MHz±0.5% 5.00MHz±0.5% 6.00MHz±0.5% 3.5795 4.1943	30 max. 30 max. 30 max. 25 max. 25 max. 30 max. 30 max.	$\pm 0.3\%$ $\pm 0.3\%$ $\pm 0.3\%$ $\pm 0.3\%$ $\pm 0.3\%$ $\pm 0.3\%$ $\pm 0.3\%$	Built-in Built-in Built-in Built-in Built-in Built-in Built-in	Built-in Built-in Built-in Built-in Built-in Built-in Built-in	D.T.M.F. 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.

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