Ceramic Oscillators

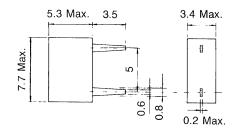


TYPE CRK (kHz Band)



Description

- C external kHz band ceramic oscillating elements using TOKO's experience in piezo material, precision manufacturing and soldering technology.
- Applicable oscillating frequency range: 380 680kHz



Unit: mm

Features

- Precise oscillating frequency without adjustment
- Soldered connections as opposed to spring tension technique for higher reliability.
- May be used with a variety of ICs.

Applications

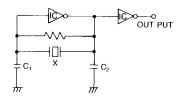
- Reference signal oscillators for microprocessors (household electronics, OA equipment).
- Reference signal oscillators for remote controls (TVs, VCRs, air-conditioners, CD players, lighting).
- Digital applications equipment including measuring instruments, communications equipment, toys, etc.

STANDARD RESONATORS SELECTION GUIDE

TYPE CRK					
TOKO	Oscillating	Resonance	Fosc Static	External Capacitor	
Part	Frequency (Fosc)*	Impedance	Temp. Stability	C ₁ C ₂	
Number	(kHz)	(Ω)	(-20°C~+80°C)	(pF) (pF)	
BP11DCRK400	400kHz±0.5%	400 max.	±0.3%	560 200	
BP11DCRK455	455kHz±0.5%	400 max.	±0.3%	560 200	
BP11DCRK480	480kHz±0.5%	400 max.	±0.3%	560 200	
BP11DCRK500	500kHz±0.5%	400 max.	±0.3%	560 200	
BP11DCRK600	600kHz±0.5%	400 max.	±0.3%	470 200	
BP11DCRK680	680kHz±0.5%	400 max.	±0.3%	470 200	

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

Oscillating frequency test circuit



IC :1/6 μPD4069

VDD : +5V

X : Ceramic element C₁, C₂ : External capacitors

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