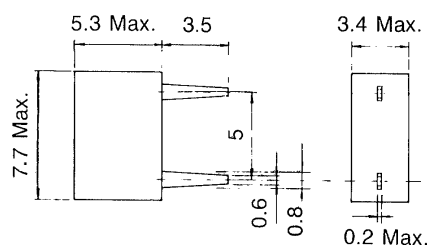


TYPE CRK (kHz Band)



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.

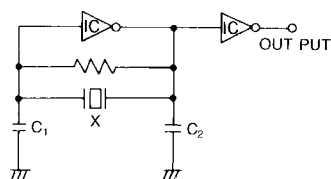
STANDARD RESONATORS SELECTION GUIDE

TYPE CRK

TOKO Part Number	Oscillating Frequency (Fosc)* (kHz)	Resonance Impedance (Ω)	Fosc Static Temp. Stability ($-20^{\circ}\text{C}\sim+80^{\circ}\text{C}$)	External Capacitor	
				C ₁ (pF)	C ₂ (pF)
BP11DCRK400	400kHz $\pm$ 0.5%	400 max.	$\pm$ 0.3%	560	200
BP11DCRK455	455kHz $\pm$ 0.5%	400 max.	$\pm$ 0.3%	560	200
BP11DCRK480	480kHz $\pm$ 0.5%	400 max.	$\pm$ 0.3%	560	200
BP11DCRK500	500kHz $\pm$ 0.5%	400 max.	$\pm$ 0.3%	560	200
BP11DCRK600	600kHz $\pm$ 0.5%	400 max.	$\pm$ 0.3%	470	200
BP11DCRK680	680kHz $\pm$ 0.5%	400 max.	$\pm$ 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 μ PD4069
 V_{DD} : +5V
 X : Ceramic element
 C₁, C₂ : External capacitors