

### Description

- Ceramic resonators for the kHz band with external capacitors.
- Applicable oscillating frequencies: 455kHz, 480kHz

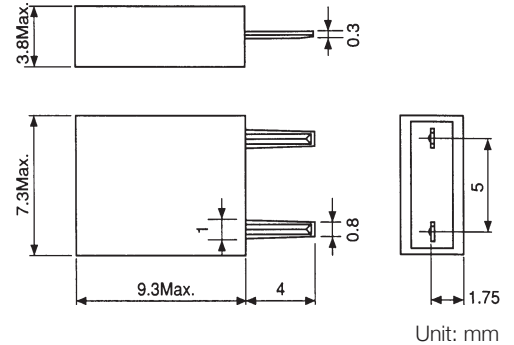
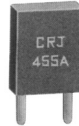
### Features

- Precise oscillating frequency without adjustment.
- May be used with a variety of ICs.
- Lead-free terminations

### Applications

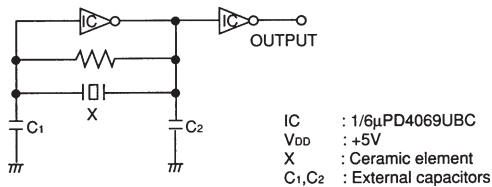
- Reference signal oscillators for – Microcomputers (household electronics, OA equipment). Remote controlling – TV's, VTR's, air-conditioners, CD players, lighting
- Digital applications equipment including measuring instruments, communications equipment, toys, etc.

### Dimensions



### Test Circuit

#### Oscillating frequency test circuit



## STANDARD RESONATORS SELECTION GUIDE

### TYPE CRJ (CERASONATOR®) kHz Band

TOKO Part Number	Oscillating Frequency (Fosc)* (kHz)	Resonance Impedance (Ω)	Fosc Static Temp. Stability (-20°C~+80°C)	External Capacitor	
				C <sub>1</sub> (pF)	C <sub>2</sub> (pF)
DCRJ455A	455kHz±0.5%	30 max.	±0.3%	100	100
DCRJ480A	480kHz±0.5%	30 max.	±0.3%	100	100

\* Oscillating frequency tolerance can be designed narrower than Fosc±0.5%, but Fosc ±0.2%. TOKO performs matching evaluations for all types of ICs. Please contact TOKO regarding applicable products.



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