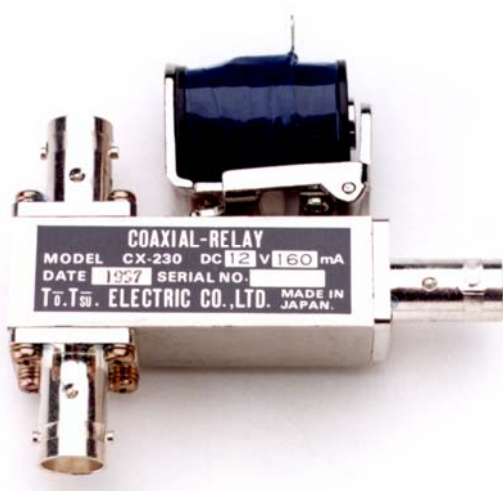


IMARK

PRODUCT DESCRIPTION



CX-230 TOHTSU COAXIAL RELAY

SPDT 12 Volt Coaxial Relay with three BNC Type
Female Connectors

Imark Stock # [851451](#)

Features:

- Compact Size
- Operates up to 1.0 GHz
- Low Insertion Loss
- Low VSWR
- Good Isolation
- High Power Capability
- 12 Volt Operation
- 24 Volt or 48 Volt versions also available

DESCRIPTION:

The Tohtsu CX-230 Coaxial Relay is specifically designed for switching RF feed paths in two-way radio applications, but can also be used in LAN applications. They are designed for internal fitment within radio equipment but can be remotely mounted nearer the antenna if required. It is fitted with three BNC Female Connectors. Switching is achieved by applying 12 Volts DC to the Coil. The Tohtsu CX-230 Coaxial Relays feature low loss, good VSWR, good isolation, and high RF power handling characteristics.

SPECIFICATIONS:	
COIL	
Actuation Voltage	9Vdc - 16.5Vdc (12 Volts DC Nominal)
Current Requirement	160mA @ 12 Vdc 20°C
Coil Resistance	75Ω ±10% 20°C
Switching Time	20mS (Pull In) Max, 15mS (Drop Out) Max
SWITCHING CIRCUIT	
Circuit Type	SPDT
Switching Circuit Impedance	50Ω
Voltage Standing Wave Ratio	Less than 1.3:1 @ 1.0GHz
Isolation	>56dB @ 50 MHz >24dB @ 1.0GHz
Insertion Loss	<0.05dB @ 50 MHz <0.2dB @ 1.0 GHz
Maximum Input Power	300 Watts @ 50 MHz 200 Watts @ 1.0GHz
Crosstalk	56dB @ 30 MHz to 24 dB @ 1.0 GHz
Connector Type	3 x BNC Female Connectors
MECHANICAL & PHYSICAL	
Life Expectancy	1,000,000 Operations Minimum
Operational Temperature	-50°C to +70°C
Mounting Requirements	2 pieces M3 Screws (Not Supplied)
Overall Unit Dimensions	69(W) x 68(D) x 18(H) mm
Shipping Dimensions	80(W) x 110(D) x 38(H) mm
Unit Weight	190 grams
Shipping Weight	230 grams
Inclusions	Relay Unit, Instruction Sheet
Approvals	
Imark Stock #	851451
Options	24Vdc version, 48Vdc version available on special order