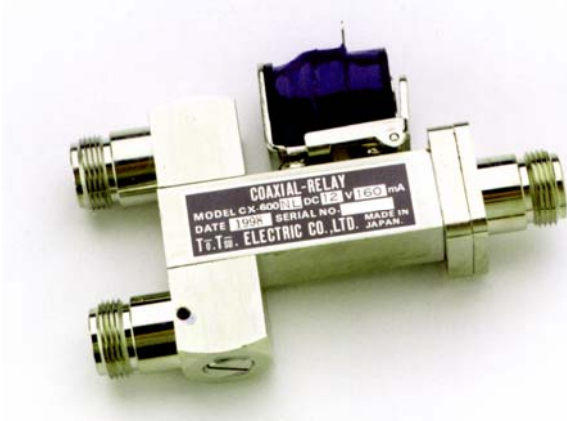


IMARK

PRODUCT DESCRIPTION



CX-600NL TOHTSU COAXIAL RELAY

SPDT 12 Volt Coaxial Relay with three "N" Type Female Connectors
Imark Stock # [851411](#)

Features:

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

DESCRIPTION:

The Tohtsu CX-600NL 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 "N" Type Female Connectors. Switching is achieved by applying 12 Volts DC to the Coil. The Tohtsu CX-600NL Coaxial Relays feature low loss, good VSWR, good isolation, and high RF power handling characteristics.

SPECIFICATIONS:	
COIL	
Actuation Voltage	9Vdc - 16.6Vdc (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 1.2:1 @ 2.0GHz
Isolation	>60dB @ 50 MHz >28dB @ 1.0GHz
Insertion Loss	<0.07dB @ 50 MHz <0.15dB @ 1.0 GHz
Maximum Input Power	2.0 KWatts @ 50 MHz 1.0 KWatts @ 1.0GHz
Crosstalk	52dB @ 30 MHz to 24 dB @ 1.0 GHz
Connector Type	3 x "N" Type Female Connectors
MECHANICAL & PHYSICAL	
Life Expectancy	1,000,000 Operations Minimum
Operational Temperature	-50°C to +70°C
Mounting Requirements	4 pieces M3 Screws (Not Supplied)
Overall Unit Dimensions	56(W) x 96(D) x 25(H) mm
Shipping Dimensions	80(W) x 113(D) x 38(H) mm
Unit Weight	320 grams
Shipping Weight	360 grams
Inclusions	Relay Unit, Instruction Sheet
Approvals	
Imark Stock #	851411
Options	24Vdc version (#851412), 48Vdc versions available on special order