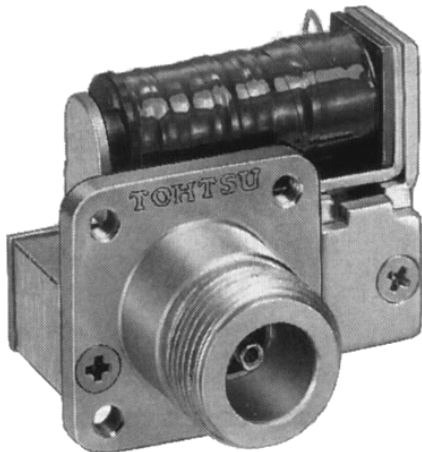


IMARK

PRODUCT DESCRIPTION



CX-1054A
TOHTSU COAXIAL RELAY
 SPST 12 Volt Coaxial Relay with one "N" Type connector and two directly connected cables
 Imark Stock # [851443](#)

Features:

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

DESCRIPTION:

The Tohtsu CX-1054A 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 mounting in equipment enclosures with the N Type connector fitted to a metal panel, but can be mounted in other applications if desired. Switching is achieved by applying 12 Volts DC to the Coil. The Tohtsu CX-1054A Coaxial Relays feature low loss, good VSWR, good isolation, and high RF power handling characteristics.

SPECIFICATIONS:	
COIL	
Actuation Voltage	10Vdc - 14Vdc (12 Volts DC Nominal)
Current Requirement	80mA @ 12 Vdc 20°C
Coil Resistance	120Ω ±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	>55dB @ 50 MHz >21dB @ 2.0GHz
Insertion Loss	<0.08dB @ 50 MHz <0.3dB @ 2.0 GHz
Maximum Input Power	250 Watts @ 50 MHz 50 Watts @ 2.0GHz
Connector Type	One "N" Type connector and two directly connected cables
MECHANICAL & PHYSICAL	
Life Expectancy	1,000,000 Operations Minimum
Operational Temperature	-25°C to + 50°C
Mounting Requirements	4 pieces M3 Screws
Overall Unit Dimensions	38(W) x 37(D) x 32(H) mm
Shipping Dimensions	80(W) x 110(D) x 38(H) mm
Unit Weight	85 grams
Shipping Weight	120 grams
Inclusions	Relay Unit, Instruction Sheet
Approvals	
Imark Stock #	851443
Options	24Vdc or 48Vdc versions available on special order