

IMARK

PRODUCT DESCRIPTION



CZX-3500
TOHTSU COAXIAL RELAY
 SPDT 12 Volt High Specification Coaxial Relay
 with three "N" Type Female Connectors
 Imark Stock # [851461](#)

Features:

- Compact Size
- Operates up to 6.0 GHz
- Low Insertion Loss
- Low VSWR
- Excellent Isolation
- High Power Capability
- 12 Volt Operation
- 24 Volt or 48 Volt versions also available

DESCRIPTION:

The Tohtsu CZX-3500 is a high specification Coaxial Relay specifically designed for switching RF feed paths in two-way radio 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 CZX-3500 Coaxial Relays feature low loss, good VSWR, excellent isolation, and high RF power handling characteristics up to 6 GHz.

SPECIFICATIONS:	
COIL	
Actuation Voltage	10Vdc - 14Vdc (12 Volts DC Nominal)
Current Requirement	250mA @ 12 Vdc 20°C
Coil Resistance	48Ω ±10% 20°C
Switching Time	20mS (Pull In) Max, 18mS (Drop Out) Max
SWITCHING CIRCUIT	
Circuit Type	SPDT
Switching Circuit Impedance	50Ω
Voltage Standing Wave Ratio	Less than 1.3:1 @ 6.0GHz
Isolation	>65dB @ 50 MHz >50dB @ 6.0 GHz
Insertion Loss	<0.1dB @ 50 MHz <0.4dB @ 6.0 GHz
Maximum Input Power	2300 Watts (PEP) @ 50 MHz 100 Watts (CW) @ 6.0GHz
Crosstalk	76dB @ 30 MHz to 49 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	68(W) x 43(D) x 61(H) mm
Shipping Dimensions	78(W) x 100(D) x 60(H) mm
Unit Weight	300 grams
Shipping Weight	335 grams
Inclusions	Relay Unit, Instruction Sheet
Approvals	
Imark Stock #	851461
Options	24Vdc version (851462), 48Vdc version available by special order