

# **Data Sheet**



## Coaxial Relay CX-520D

#### **MECHANICAL CHARACTERISTICS:**

Contact Arrangement ...... SPDT

Operational Temperature - 25 °C to + 50 °C

Max Temperature Rise ...... 20 °C

Weight ...... Approx. 230 g
Mounting Four screws

Cable Connections 3x N type female connectors

#### **ELECTRICAL CHARACTERISTICS:**

Impedance 50 Ohms
Nominal Voltage 12 V DC

Voltage Range ...... 10 V DC - 14 V DC

Current 160 mA @12 V DC 20 °C Coil Resistance 75 ±10% Ohms @ 20 °C

#### **RF-PROPERTIES:**

Frequency	VSWR	Isolation	Ins. Loss	RF Power input
MHz	max	-dB(min) ±3 dB	-dB(max)	W (PEP)
50	1.005	65	0.10	350
150	1.01	60	0.15	300
500	1.03	53	0.18	300
1000	1.05	46	0.20	250
1500	1.17	42	0.20	200
2000	1.20	39	0.25	150

#### **ACTUATION DATA:**

Pull In 10 V DC - 14 V DC (12 V DC Nominal)

Drop Out 3 V DC min.

#### **SWITCHING TIME:**

 Pull In
 20 ms max.

 Drop Out
 15 ms max.

Life Expectancy 1.000.000 Operations min.

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All technical data are subject to change

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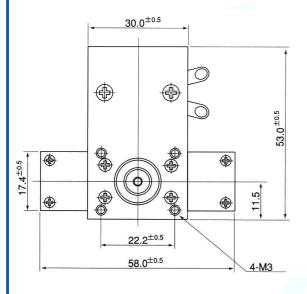
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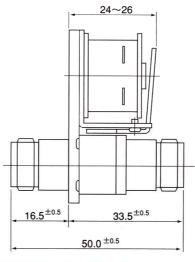
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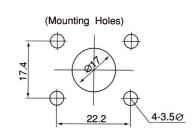


## **Coaxial Relay CX-520D**

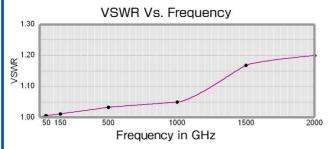
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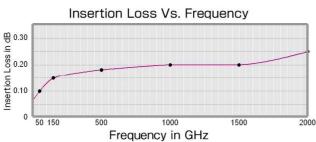


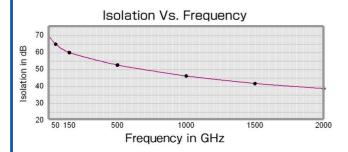




### **Typical Operating Curves:**

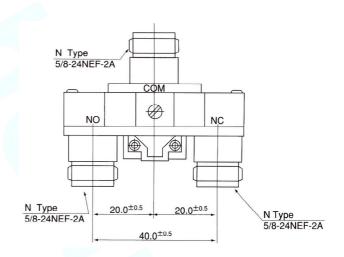




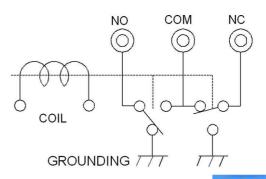


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### **Schematic:**



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