



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 :

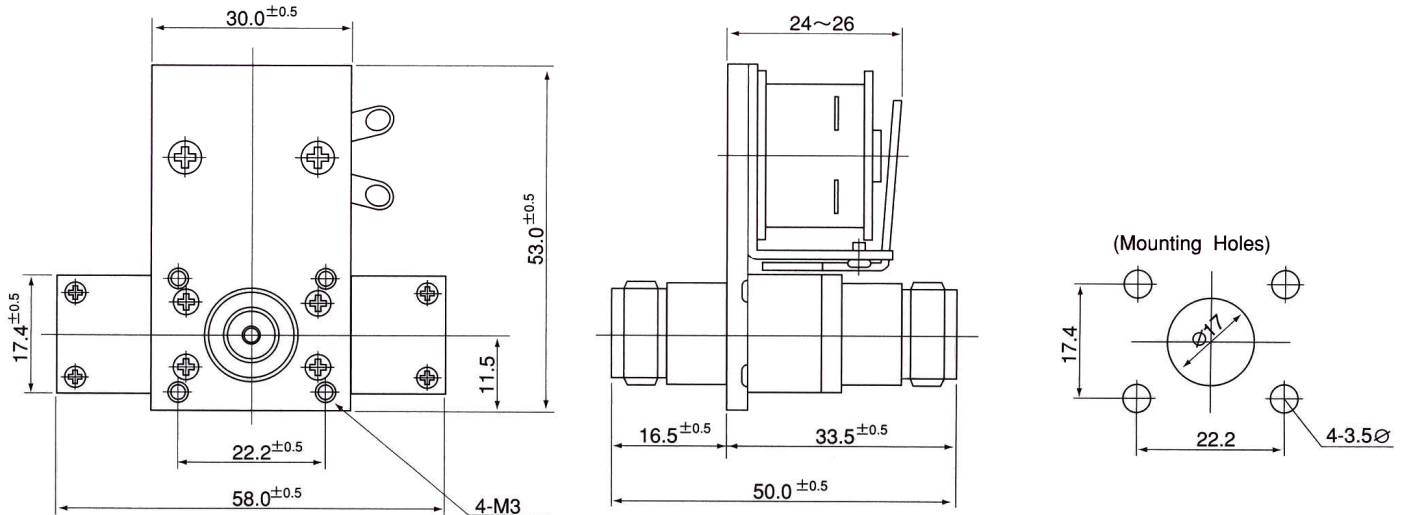
Pull In	.....	10 V DC - 14 V DC (12 V DC Nominal)
Drop Out	.....	3 V DC min.

SWITCHING TIME :

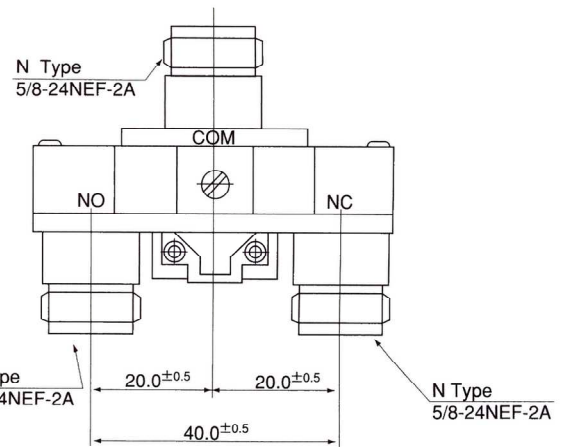
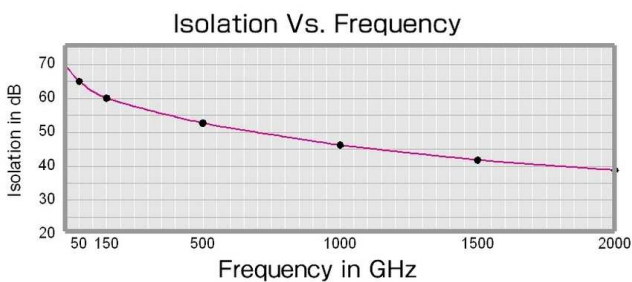
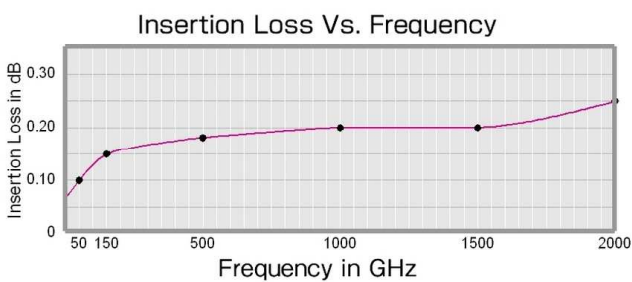
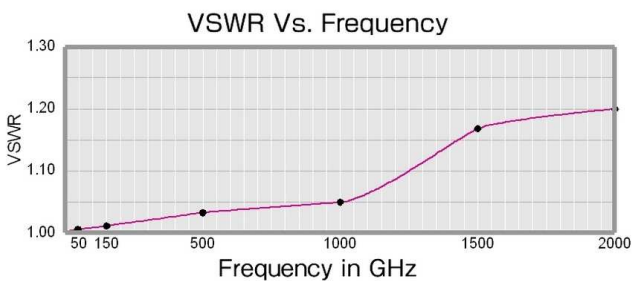
Pull In	20 ms max.
Drop Out	15 ms max.
Life Expectancy	1.000.000 Operations min.

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DIMENSIONS :



Typical Operating Curves :



Schematic:

