

Tohtsu CX-520D Coaxial Relay

- CX-520D Coaxial Relay
- 50R
- SPDT
- 12v Coil
- N-connectors all round
- Useable up to 2GHz

CX520D / CX 520D

RF Impedence: 50 Ohms

Voltage

Pull in: 9 Vdc – 16.5 Vdc (12 Vdc Nominal)

Drop out: 1.5 Vdc minimum

Current: 160 mA @ 12 Vdc at 20 degrees C

Coil resistance: 75 Ohms +/-10% at 20 degrees C.

Switching Time

Pull in: 20 ms maximum

Drop out: 15 ms maximum

Life Expectancy: 1,000,000. Operation min.

Mechanical

Contact arrangement: SPDT

Operational temperature: -55 to +70 degrees C.

Weight: 230 grams

Mounting: Two screws

Cable connections: 3 N Type female connectors

Frequency (MHz): 50 Maximum VSWR: 1.005 Isolation: -65 dB
Minimum Insertion Loss: -0.10 dB Maximum Input Watts: 350
Maximum

Frequency (MHz):150 Maximum VSWR: 1.01 Isolation: -60 dB
Minimum Insertion Loss: -0.15 dB Maximum Input Watts: 300
Maximum

Frequency (MHz): 500 Maximum VSWR: 1.03 Isolation: -53 dB

Minimum	Insertion Loss: -0.18 dB	Maximum	Input Watts: 300
	Maximum		

Frequency (MHz): 1000	Maximum VSWR: 1.05	Isolation: -46 dB
Minimum	Insertion Loss: -0.20 dB	Maximum
	Maximum	Input Watts: 250
	Maximum	

Frequency (MHz): 1500	Maximum VSWR: 1.17	Isolation: -42 dB
Minimum	Insertion Loss: -0.20 dB	Maximum
	Maximum	Input Watts: 200
	Maximum	

Frequency (MHz): 2000	Maximum VSWR: 1.20	Isolation: -39 dB
Minimum	Insertion Loss: -0.25 dB	Maximum
	Maximum	Input Watts: 150
	Maximum	

Coil Characteristics		
Nominal Voltage	Voltage Range	Resistance Ohms
12Vdc	9Vdc – 16.5Vdc	75 Ohms +/-10% at 20 degrees C.
24Vdc	18Vdc – 26.5Vdc	300 Ohms +/-10% at 20 degrees C.