



## CX-520D Specifications

Impedance: 50 Ohms

### VOLTAGE

|                 |                               |
|-----------------|-------------------------------|
| Pull in:        | 9.0Vdc-16.5Vdc(12Vdc Nominal) |
| Drop out:       | 1.5Vdc Min.                   |
| Current:        | 160mA @ 12Vdc, 20°C           |
| Coil Resistance | 75 Ohms, 10%, 20°C            |

### MECHANICAL

|                          |                            |
|--------------------------|----------------------------|
| Contact Arrangement:     | SPDT                       |
| Operational Temperature: | -50°C to 70°C              |
| Weighting:               | Approx. 230gs.             |
| Mounting:                | Four Screws                |
| Cable Connections:       | 3 N Type Female Connectors |

### ELECTRICAL CHARACTERISTICS

| Frequency (MHz) | VSWR (Max) | Isolation -dB[min] | Ins. Loss -dB [max] | Input (W) |
|-----------------|------------|--------------------|---------------------|-----------|
| 50              | 1.005      | 65                 | 0.1                 | 0.35      |
| 150             | 1.01       | 60                 | 0.15                | 0.3       |
| 500             | 1.03       | 53                 | 0.18                | 0.3       |
| 1000            | 1.05       | 46                 | 0.2                 | 0.25      |
| 1500            | 1.17       | 42                 | 0.2                 | 0.2       |
| 2000            | 1.2        | 39                 | 0.25                | 0.15      |

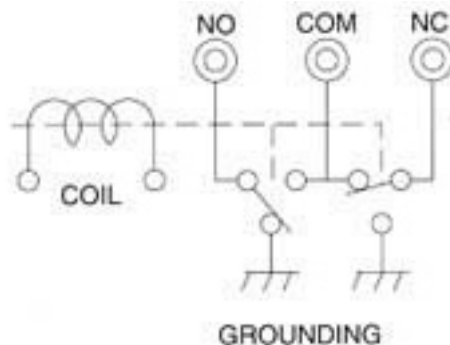
### SWITCHING TIME

|                  |                          |
|------------------|--------------------------|
| Pull in:         | 20ms typical             |
| Drop out:        | 15ms typical             |
| Life Expectancy: | 1,000,000 Operation Min. |

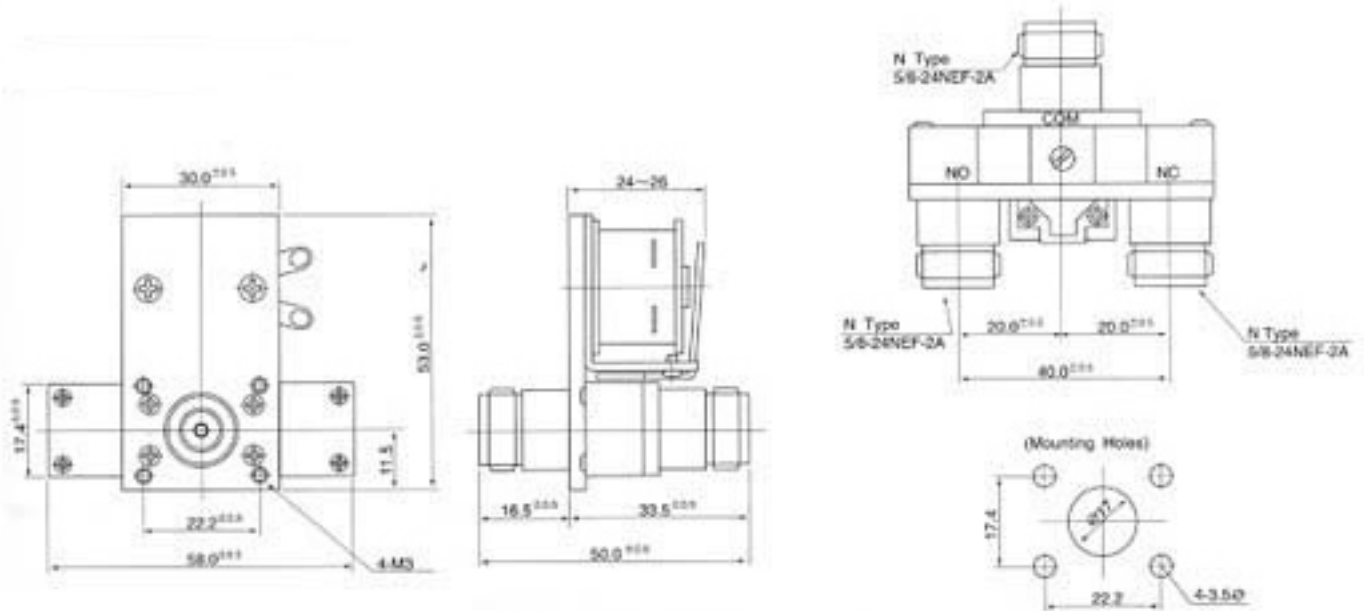
### COIL CHARACTERISTICS

|                       |                              |
|-----------------------|------------------------------|
| Nominal Voltage:      | 12Vdc/24Vdc                  |
| Voltage Range:        | 9Vdc-16.5Vdc / 18Vdc-26.5Vdc |
| Coil Resistance Ohms: | 75/300                       |
| Mounting:             | -                            |

### SCHEMATIC



## DIMENSIONS



SCALE m/m

## TYPICAL OPERATING CURVES

