

# 700 SERIES

# Reed Relays



File No.:E75887



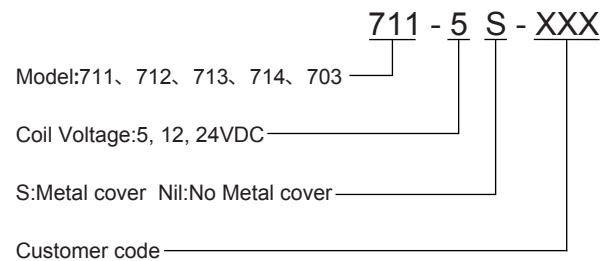
## FEATURES

- Choice of normal, heavy duty or hi voltage
- FCC Part 68
- Epoxy molded

## CHARACTERISTICS

Operate time (at nomi. volt.)	≤0.5ms
Release time (at nomi. volt.)	≤0.2ms
Contact Resistance(Initial)	≤150mΩ
Life Expectancy	5×10 <sup>7</sup> operations 3×10 <sup>6</sup> operations(Rated Load )
Insulation Resistance	1000MΩ
Vibration	20G (10-2000Hz)
Thermal Shock	-55°C ~ +105°C
Moisture Resistance	60°C-90% 240 hours
Terminal Strength	225g
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-55°C ~ +105°C

## ORDERING INFORMATION



## COIL DATA

at 20°C

Part Number	Nominal Voltage VDC	Pick-up Voltage (Max.) VDC	Drop-out Voltage (Min.) VDC	Coil Resistance Ω±10%	Contact Rating(UL&CUL)	Breakdown Voltage
711-5	5	3.75	0.5	500	AC 10VA, DC 10W max. 100VDC max. 1.0A max.(carry) 0.3A max.(switching)	250VDC across contacts 2500VDC contact to coil
711-12	12	9.0	1.2	1000		
711-24	24	18.0	2.4	2000		
712-5	5	3.75	0.5	500	AC 70VA, DC 50W max. 150VAC, 200VDC 2.5A max.(carry) 1.0A max.(switching DC) 0.7A max.(switching AC)	300VDC across contacts 2500VDC contact to coil
712-12	12	9.0	1.2	1000		
712-24	24	18.0	2.4	2000		
713-5	5	3.75	0.5	500	AC 50VA, DC 50W max. 300VAC, 350VDC 2.5A max.(carry) 0.5A max.(switching)	600VDC across contacts 2500VDC contact to coil
713-12	12	9.0	1.2	1000		
713-24	24	18.0	2.4	2000		
714-5	5	3.75	0.5	500	100VA max. 1.0A max.(switching) 2.5A max.(carry) 350VDC/300VAC(max. switching)	1000VDC across contacts 2500VDC contact to coil
714-12	12	9.0	1.2	1000		
714-24	24	18.0	2.4	2000		
703-5	5	3.75	0.5	125	AC 3VA, DC 3W max. DC 30V 0.5A (carry) 0.2A (switching)	200VDC min.across contacts 2500VDC contact to coil
703-12	12	9.0	1.2	500		

This datasheet is for customers' reference. All the specifications are subject to change without notice.



\* SINCE 1976 \*

# RELAYS

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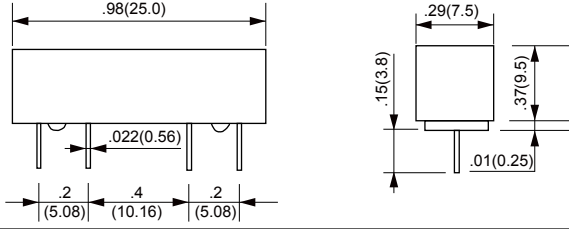
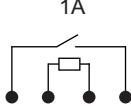
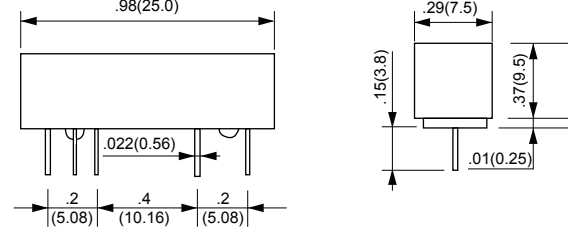
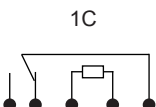
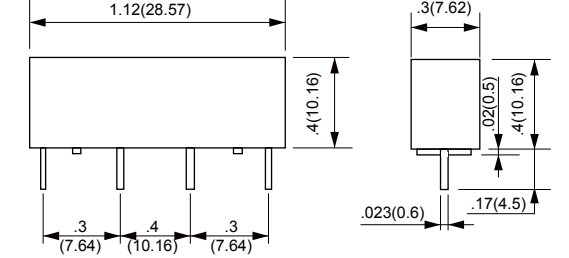
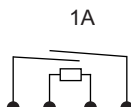
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## OUTLINE DIMENSIONS AND WIRING DIAGRAM.

Unit: inch(mm)

### Outline Dimensions

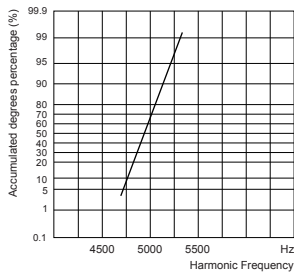
### Wiring Diagram (Bottom view)

711 Series		
703 Series		
712 & 713 & 714 Series		

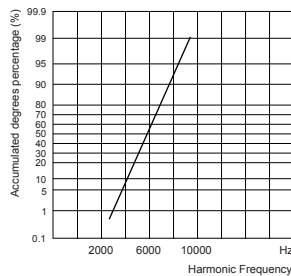
- Remark:1) In case of no tolerance shown in outline dimension: outline dimension  $\leq 1\text{mm}$ , tolerance should be  $\pm 0.2\text{mm}$ ; outline dimension  $> 1\text{mm}$  and  $\leq 5\text{mm}$ , tolerance should be  $\pm 0.3\text{mm}$ ; outline dimension  $> 5\text{mm}$ , tolerance should be  $\pm 0.4\text{mm}$ .
- 2) The tolerance without indicating for PCB layout is always  $\pm 0.1\text{mm}$ .

## CHARACTERISTIC CURVES

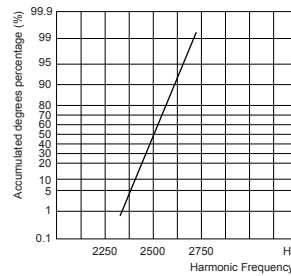
711 Series Harmonic Frequency



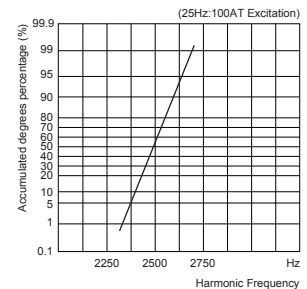
703 Series Harmonic Frequency



712, 714 Series Harmonic Frequency



713 Series Harmonic Frequency



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