



## Struthers-Dunn

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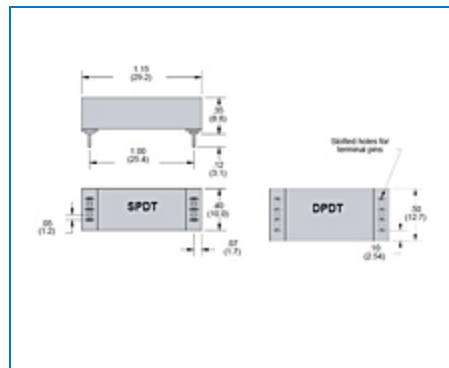
# Item # 134MPCX-11-12VDC, 134 Series - Mercury Reed Relays

The 134 series are single throw, normally open, miniature mercury reed relays.

Reeds are hermetically sealed in glass tubes with trace amounts of liquid mercury to provide continuously refreshed contact surfaces for extremely long life.

The 131 series offers double throw contacts. Both are capable.

For Additional Configuration please use the RFQ/RFI tab above to submit your request.



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## Specifications

Series	134
Contact Arrangement	DPDT Mercury with Clamping Diode
Nominal Input Voltage	12 VDC

Maximum Pull-in	9.6
Minimum Dropout	1
Nominal Resistance	230 ohms
Nominal Power	620 mW

## Maximum Contact Rating

Maximum Switching Load	50 VA
Switching Current and Voltage	1 Amps 500VDC
Carry Current	2 A

## Contacts

Contact Configuration	Up To DPDT
Contact Material	Liquid Mercury
Contact Rating	2 A
Contact Rating Load (maximum)	50 VA
Contact Rating Switching Voltage (maximum)	500 VDC
Contact Rating Switching Current (maximum)	2 A
Contact Rating Carry Current (maximum)	3 A
Contact Resistance, Initial	100 milliohms max at 6VDC

## Coil

Coils Available	DC
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<b>Coil Power</b>	Varies
<b>Input Voltage Tolerance - DC</b>	80% to 110% of nominal
<b>Drop-out voltage</b>	10% of nominal
<b>Duty</b>	Continuous

## Timing

<b>Operate Time (typical w/o suppression)</b>	2 ms
<b>Release Time (typical w/o suppression)</b>	2.5 ms

## Dielectric Strength

<b>Across Open Contacts</b>	1,000 Vrms
<b>Between Mutually Insulated Point</b>	1,000 Vrms
<b>Insulation Resistance</b>	1,000 megohms at 500VAC

## Capacitance

<b>Capacitance Across Open Contacts</b>	0.9pF
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## Temperature

<b>Operating</b>	-37 to 85 °C -34.6 to 185 °F
<b>Storage</b>	-40 to 105 °C -40 to 221 °F

## Life Expectancy

Electrical (full load)	40,000,000
Mechanical (no load)	100,000,000

## Miscellaneous

Mounting Position	Vertical $\pm 15^\circ$
Enclosure	Epoxy Encapsulated
Weight	Varies