



Struthers-Dunn

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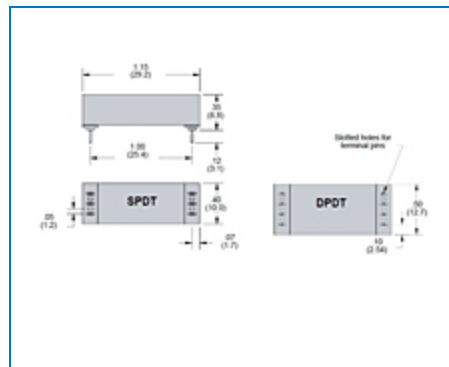
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Item # 104MPCX-149-5VDC, 104 Series - Dry Miniature Reed Relays

Dry miniature reed relays offer long life and extremely fast switching times. Capable of switching up to 100VDC. Compact printed circuit board package with standard 0.100" pin spacing. Electrostatic shields are available. Nonstandard schematics and pin-outs can also be produced for specific customer requirements.

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



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Specifications

| | |
|-----------------------|-------|
| Series | 104 |
| Contact Arrangement | DPDT |
| Nominal Input Voltage | 5 VDC |
| Maximum Pull-in | 4 |

| | |
|--------------------|---------|
| Minimum Dropout | 0.5 |
| Nominal Resistance | 45 ohms |
| Nominal Power | 556 mW |

Maximum Contact Rating

| | |
|-------------------------------|-----------------|
| Maximum Switching Load | 3 VA |
| Switching Current and Voltage | 0.25 AMP 100VDC |
| Carry Current | 0.5 A |

Contacts

| | |
|--|---------------------------|
| Contact Configuration | Up To DPDT |
| Contact Material | Rhodium |
| Contact Rating | .25 A |
| Contact Rating Load (maximum) | 3 VA |
| Contact Rating Switching Voltage (maximum) | 120 VDC |
| Contact Rating Switching Current (maximum) | 0.25 A |
| Contact Rating Carry Current (maximum) | 1 A |
| Contact Resistance, Initial | 150 milliohms max at 6VDC |

Coil

| | |
|-----------------|--------|
| Coils Available | DC |
| Coil Power | Varies |

| | |
|-------------------------------------|------------------------|
| Input Voltage Tolerance - DC | 80% to 110% of nominal |
|-------------------------------------|------------------------|

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|-------------------------|----------------|
| Drop-out voltage | 10% of nominal |
|-------------------------|----------------|

| | |
|-------------|------------|
| Duty | Continuous |
|-------------|------------|

Timing

| | |
|---|------|
| Operate Time (typical w/o suppression) | 1 ms |
|---|------|

| | |
|---|------|
| Release Time (typical w/o suppression) | 1 ms |
|---|------|

Dielectric Strength

| | |
|-----------------------------|----------|
| Across Open Contacts | 200 Vrms |
|-----------------------------|----------|

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|---|----------|
| Between Mutually Insulated Point | 500 Vrms |
|---|----------|

| | |
|------------------------------|------------------------|
| Insulation Resistance | 1000 megohms at 100VDC |
|------------------------------|------------------------|

Capacitance

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|---|-------|
| Capacitance Across Open Contacts | 2.1pF |
|---|-------|

Temperature

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|------------------|--------------------------------|
| Operating | -40 to 125 °C -40 to 257 °F |
|------------------|--------------------------------|

| | |
|----------------|--------------------------------|
| Storage | -40 to 200 °C -40 to 392 °F |
|----------------|--------------------------------|

Life Expectancy

| | |
|------------------------|-------------|
| Electrical (full load) | 10,000,000 |
| Mechanical (no load) | 100,000,000 |

Miscellaneous

| | |
|-------------------|--------|
| Mounting Position | Any |
| Weight | Varies |