



DESCRIPTION

CPC1008N is an 80V, 150mA, 8Ω 1-Form-A relay. It features a low on-resistance and the world's smallest 4 Pin SOP package.

FEATURES

- Small 4 Pin SOP Package
- Low Drive Power Requirements (TTL/CMOS Compatible)
- No Moving Parts
- High Reliability
- Arc-Free With No Snubbing Circuits
- 1500V_{RMS} Input/Output Isolation
- FCC Compatible
- No EMI/RFI Generation
- Machine Insertable, Wave Solderable
- Tape & Reel Version Available

APPLICATIONS

- Instrumentation
 - Multiplexers
 - Data Acquisition
 - Electronic Switching
 - I/O Subsystems
 - Meters (Watt-Hour, Water, Gas)
- Medical Equipment—Patient/Equipment Isolation
- Security
- Aerospace
- Industrial Controls

APPROVALS

- UL/C-UL - Pending
- BSI - Pending

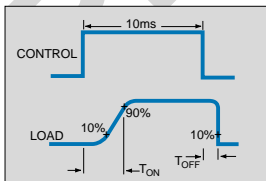
RATINGS (@ 25° C)

Parameter	Min	Typ	Max	Units
Input Power Dissipation	-	-	150 ¹	mW
Input Control Current Peak (10ms)	-	-	50	mA
	-	-	1	A
Reverse Input Voltage	-	-	5	V
Total Power Dissipation	-	-	400 ²	mW
Capacitance Input to Output	-	1	-	pF
Isolation Voltage Input to Output	1500	-	-	V _{RMS}
Operational Temperature	-40	-	+85	°C
Storage Temperature	-40	-	+125	°C
Soldering Temperature (10 Seconds Max.)			+220	°C

¹ Derate Linearly 1.33 mw /°C

² Derate Linearly 6.67 mw /°C

Switching Characteristics of Normally Open (Form A) Devices



Note: For Mechanical Dimensions See Pages 408-415

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