



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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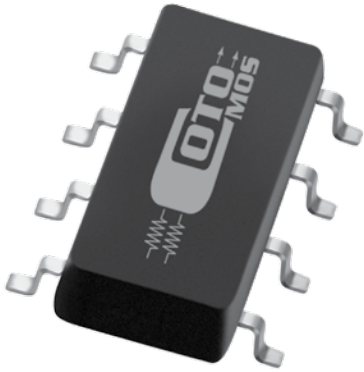
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CotoMOS® C774S

The C774S features current switching capability to 80/60mA with a low on resistance of 30/50Ω Maximum. Designed for Security, Measurement and Instrumentation applications the CotoMOS® relay is capable of handling 400V load conditions. If your requirements are different please contact your Coto Applications Engineer for assistance through www.cotorelay.com.

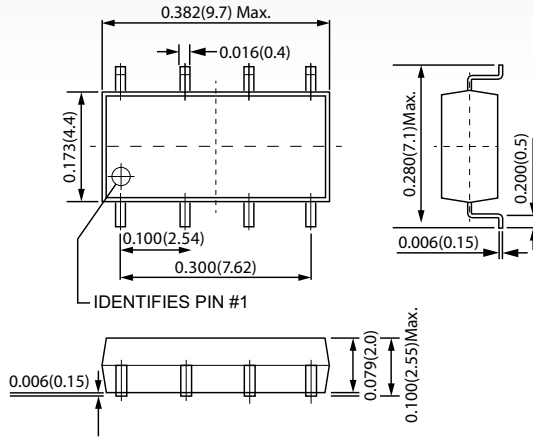


C774S Features

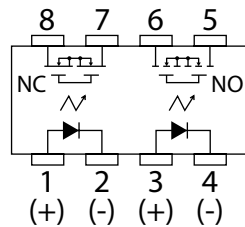
- ▶ Contact Form: 1A+1B
- ▶ Load Voltage: 400V Maximum
- ▶ Operation LED Current: 3.0mA Maximum
- ▶ Load Current: 80mA Maximum (NO) 60mA Maximum (NC)
- ▶ On-Resistance: 30Ω Maximum (NO) 50Ω Maximum (NC)
- ▶ Output Capacitance: 115pF Typical (NO) 165pF Typical (NC)
- ▶ Low Off-State Leakage Current: 1.0μ A Maximum (NO) 10μA Maximum (NC)

DIMENSIONS

in Inches (Millimeters)



TERMINAL IDENTIFICATION



1,3: Anode (LED)
2,4: Cathode (LED)

5,6,7,8: Drain (MOSFET)

C774S MAXIMUM RATINGS (Ambient Temperature: 25°C)

Parameters	Symbol	Units	Value
INPUT SPECIFICATIONS			
Continuous LED Current	I _F	mA	50
Peak LED Current	I _{FP}	mA	500
LED Reverse Voltage	V _R	V	5
Input Power Dissipation	P _{in}	mW	75
OUTPUT SPECIFICATIONS			
Load Voltage	V _L	V (AC peak or DC)	400
Load Current	I _L	mA	80 (NO) / 60 (NC)
Peak Load Current	I _{Peak}	A	0.4
Output Power Dissipation	P _{Out}	mW	400
RELAY SPECIFICATIONS			
Total Power Dissipation	P _T	mW	450
I/O Breakdown Voltage	V _{I/O}	V _{rms}	1500
Operating Temperature	T _{OpR}	°C	-40 ~ +85
Storage Temperature	T _{Stg}	°C	-40 ~ +100

C774S ELECTRICAL SPECIFICATIONS (Ambient Temperature: 25°C)

Parameters	Symbol	Test Conditions	Units	Min	Typ	Max
INPUT						
LED Forward Voltage	V _F	I _F =10mA	V	1.0		1.5
Operation LED Current	I _{F On}		mA		0.9	3.0
Recovery LED Voltage	V _{F Off}		V	0.5		
OUTPUT						
On-Resistance Drain to Drain	R _{On}	I _F =5mA (NO), I _F =0mA (NC), I _L =Rating Time to flow is within 1 sec.	Ω		24 (NO) 30 (NC)	30 (NO) 50 (NC)
Off-State Leakage Current	I _{Leak}	I _F =0mA (NO), I _F =5mA (NC), V _L =400V	μA			1 (NO) 10 (NC)
Output Capacitance	C _{Out}	I _F =0mA (NO), I _F =5mA (NC) V _L =0V, f=1MHz	pF		115 (NO) 165 (NC)	
TRANSMISSION						
Operate Time	T _{On} (NO) T _{Off} (NC)	I _F =0mA → 5mA (NC), I _L =Rating	ms		0.25 (NO) 0.5 (NC)	2.0
Recovery Time	T _{Off} (NO) T _{On} (NC)	I _F =0mA → 5mA (NC), I _L =50mA	ms		0.05	1.0
COUPLED						
I/O Insulation Resistance	R _{I/O}		Ω	10 ⁹		
I/O Capacitance	C _{I/O}	f=1MHz	pF		1.3	

Environmental Ratings:

Operating Temp: -40°C to +85°C; Storage Temp: -40 to +100 C.
All electrical parameters measured at 25° C unless otherwise specified.