



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!



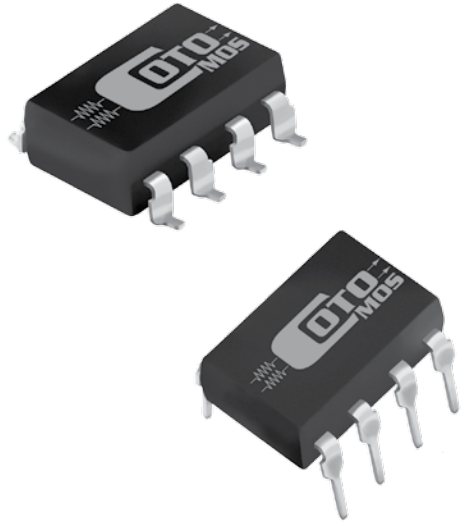
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CotoMOS® CT335/CS335

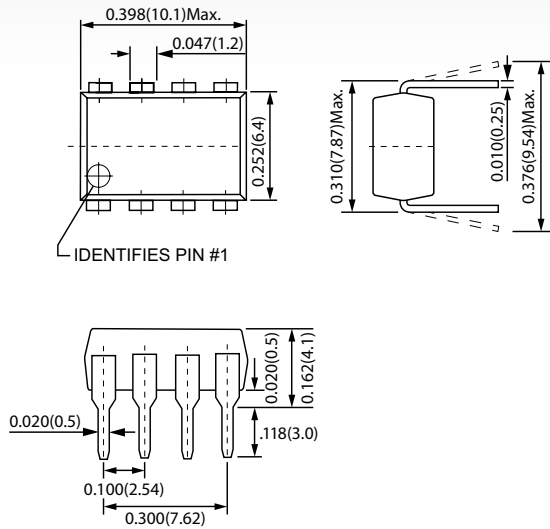
The CT335 and CS335 feature current switching capability to 80mA with a low on resistance of 30Ω Maximum. Designed for Security, Measurement and Instrumentation applications the CotoMOS® relay is capable of handling 80V load conditions. If your requirements are different please contact your Coto Applications Engineer for assistance through www.cotorelay.com.

CT335/CS335 Features

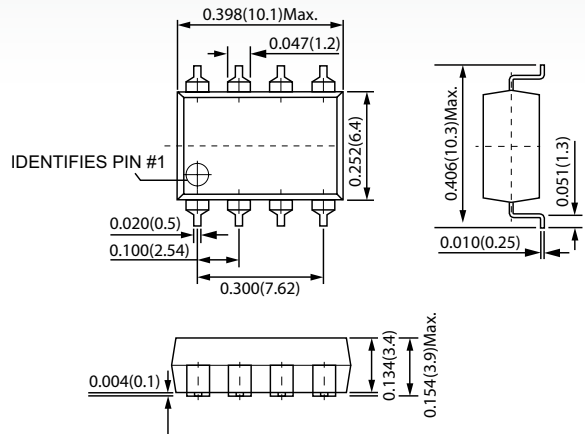
- ▶ Contact Form: 2A
- ▶ Load Voltage: 80V Maximum
- ▶ Operation LED Current: 3.0mA Maximum
- ▶ Load Current: 80mA Maximum
- ▶ On-Resistance: 30Ω Maximum
- ▶ Low Off-State Leakage Current: 10nA Maximum
- ▶ I/O Breakdown Voltage: 1500Vrms Minimum
- ▶ Suffix -H for I/O Breakdown Voltage: 5000Vrms Minimum

DIMENSIONS
in Inches (Millimeters)

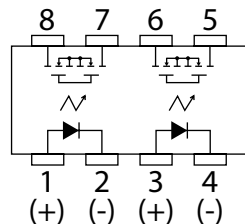
CT335



CS335



TERMINAL IDENTIFICATION



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

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

CT335/CS335 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)	80
Load Current	I_L	mA	80
Peak Load Current	I_{Peak}	A	0.3
Output Power Dissipation	P_{Out}	mW	450
RELAY SPECIFICATIONS			
Total Power Dissipation	P_T	mW	500
I/O Breakdown Voltage	$V_{I/O}$	V _{rms}	1500
Operating Temperature	T_{Opr}	°C	-40 ~ +85
Storage Temperature	T_{Stg}	°C	-40 ~ +100

CT335/CS335 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}	$I_F=5mA, I_L=Rating$ Time to flow is within 1 sec.	Ω		20	30
Off-State Leakage Current	I_{Leak}	$V_L=80V$	nA			10
Output Capacitance	C_{Out}	$V_L=0V, f=1MHz$	pF		6.0	
TRANSMISSION						
Turn-On Time	T_{On}	$I_F=10mA, I_L=Rating$	ms		0.02	1.0
Turn-Off Time	T_{Off}		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.