



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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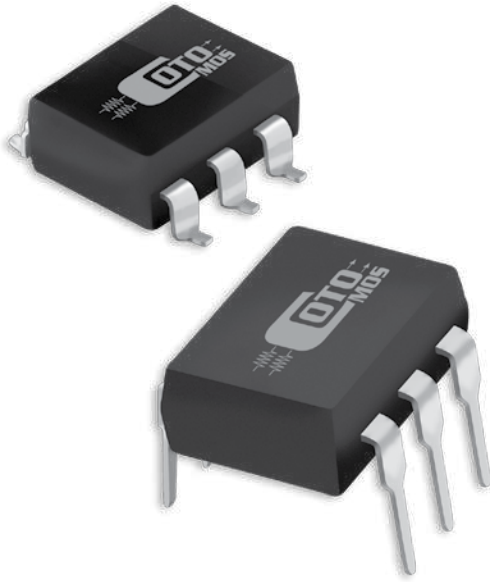


CotoMOS[®] CT135/CS135

The CT135 and CS135 combine Coto quality and economy in an industry standard 6 pin DIP package. Both the CT135 and the CS135 offer low output capacitance and low leakage current. The CT135 utilizes a thru hole lead configuration, while the CS135 offers a surface mount option when the application requires it. Both relays are ideally suited to the needs of Test and Measurement, Industrial, and Telecommunications.

CT135/CS135 Features

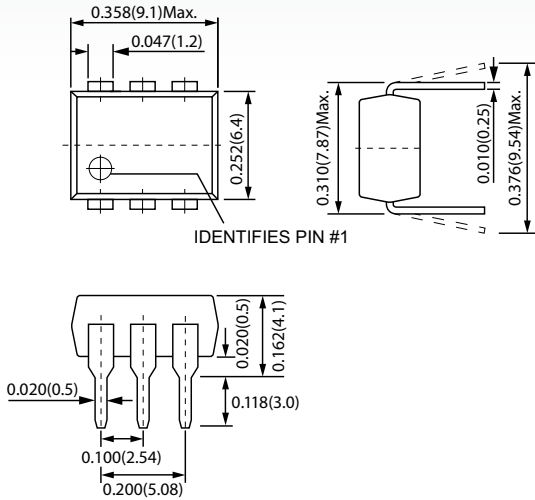
- ▶ Contact Form: 1A
- ▶ Load Voltage: 80V Maximum
- ▶ Operation LED Current: 3.0mA Maximum
- ▶ Load Current: 100mA Maximum
- ▶ On-Resistance: 30Ω Maximum
- ▶ Low Off-State Leakage Current: 10nA Maximum
- ▶ I/O Breakdown Voltage: 1500Vrms Minimum
- ▶ Suffix - H for I/O Breakdown Voltage: 5000Vrms Minimum



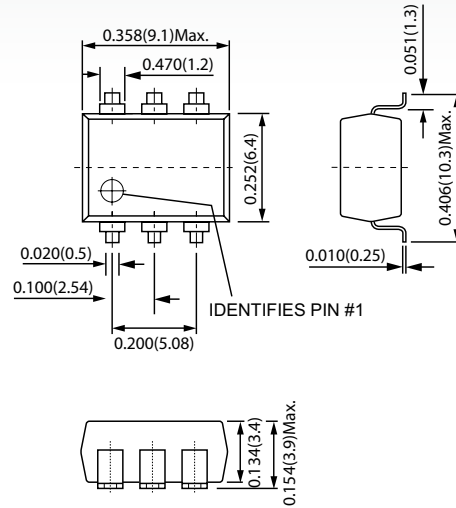
DIMENSIONS

in Inches (Millimeters)

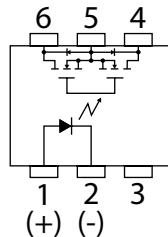
CT135



CS135



TERMINAL IDENTIFICATION



- | | |
|------------------|----------------------|
| 1: Anode (LED) | 4,6: Drain (MOS FET) |
| 2: Cathode (LED) | 5: Source (MOS FET) |
| 3: NC | |

CT135/CS135 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	100
Peak Load Current	I _{Peak}	A	0.3
Output Power Dissipation	P _{Out}	mW	350
RELAY SPECIFICATIONS			
Total Power Dissipation	P _T	mW	400
I/O Breakdown Voltage	V _{I/O}	V _{rms}	1500
Operating Temperature	T _{Opr}	°C	-40 ~ +85
Storage Temperature	T _{Stg}	°C	-40 ~ +100

CT135/CS135 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	0.1
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.