mail

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.

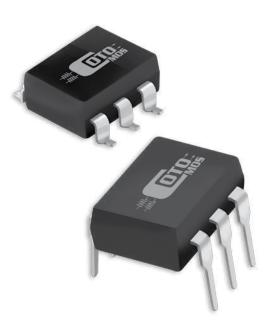
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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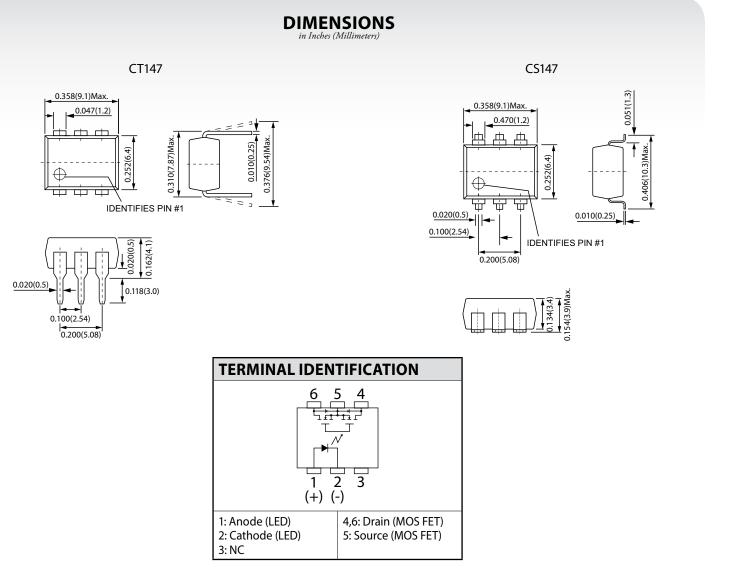


CotoMOS[°] CT147/CS147

The CT147 and CS147 combine Coto quality and economy in an industry standard 6 pin DIP package. Both the CT147 and the CS147 offer low on resistance and high load current. The CT147 utilizes a thru hole lead configuration, while the CS147 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

CT147/CS147 Features

- ► Contact Form: 1A
- Load Voltage: 80V Maximum
- Operation LED Current: 3.0mA Maximum
- Load Current: 2.0A Maximum
- On-Resistance: 0.16Ω Maximum
- ▶ Low Off-State Leakage Current: 1.0µA Maximum
- ▶ I/O Breakdown Voltage: 1500Vrms Minimum
- ▶ Suffix H for I/O Breakdown Voltage: 5000Vrms Minimum



CT147/CS147 MAXIMUM RATINGS (Ambient Temperature: 25°C)

Parameters	Symbol	Units	Value					
INPUT SPECIFICATIONS								
Continuous LED Current	lf	mA	50					
Peak LED Current	Ifp	mA	500					
LED Reverse Voltage	VR	V	5					
Input Power Dissipation	Pin	mW	75					
OUTPUT SPECIFICATIONS								
Load Voltage	VL	V (AC peak or DC)	80					
Load Current	١L	А	2.0					
Peak Load Current	lPeak	А	5.0					
Output Power Dissipation	Pout	mW	500					
RELAY SPECIFICATIONS								
Total Power Dissipation	Рт	mW	550					
I/O Breakdown Voltage	Vi/o	Vrms	1500					
Operating Temperature	Topr	°C	-40 ~ +85					
Storage Temperature	Tstg	°C	-40 ~ +100					

CT147/CS147 ELECTRICAL SPECIFICATIONS (Ambient Temperature: 25°C)									
Parameters	Symbol	Test Conditions	Units	Min	Тур	Мах			
INPUT									
LED Forward Voltage	VF	I=10mA	V	1.0		1.5			
Operation LED Current	IF On		mA		1.2	3.0			
Recovery LED Voltage	V F Off		V	0.5					
OUTPUT									
On-Resistance Drain to Drain	Ron	IF=5mA, $I = Rating$ Time to flow is within 1 sec.	Ω		0.1	0.16			
Off-State Leakage Current	Leak	VL=80V	μΑ			1.0			
Output Capacitance	Cout	VL=0V, f=1MHz	pF		500				
TRANSMISSION									
Turn-On Time	Ton		ms		0.7	5.0			
Turn-Off Time	Toff	l⊧=10mA, l∟=Rating	ms		0.04	1.0			
COUPLED									
I/O Insulation Resistance	Ri/o		Ω	10 ⁹					
I/O Capacitance	Ci/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.