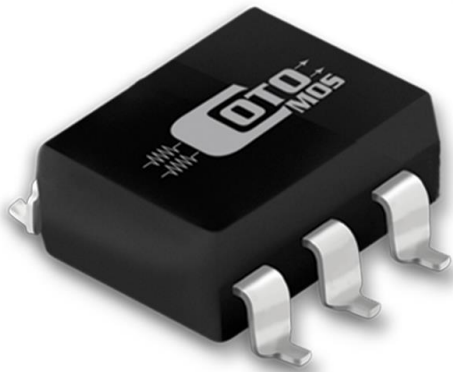


CS137 Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	CS137-DG
Manufacturer	Coto Technology
Manufacturer Product Number	CS137
Description	SSR RELAY SPST-NO 400MA 0-60V
Detailed Description	Solid State SPST-NO (1 Form A) 6-SMD (0.300", 7.62 mm)

This model CS137 is available at DiGi Electronics.

DiGi Electronics offers a global database of semiconductor and electronic component datasheets.

We welcome your inquiries regarding pricing, lead time, or other product-related questions.

 [Request a Quote](#)

 [Datasheet Search](#)



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

CS137

Series:

COTOMOST™

Mounting Type:

Surface Mount

Output Type:

AC, DC

Voltage - Load:

0 V ~ 60 V

On-State Resistance (Max):

1.6 Ohms

Package / Case:

6-SMD (0.300", 7.62mm)

Manufacturer:

Coto Technology

Product Status:

Obsolete

Circuit:

SPST-NO (1 Form A)

Voltage - Input:

1.37VDC

Load Current:

400 mA

Termination Style:

Gull Wing

Supplier Device Package:

6-SMD

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.41.0030

Moisture Sensitivity Level (MSL):

2 (1 Year)

ECCN:

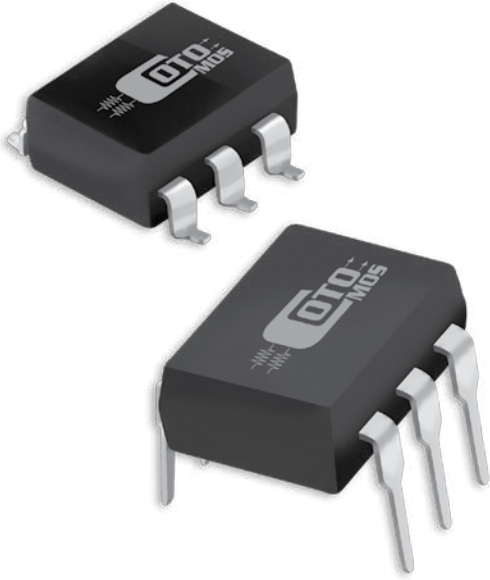
EAR99

CotoMOS[®] CT137/CS137

The CT137 and CS137 combine Coto quality and economy in an industry standard 6 pin DIP package. Both the CT137 and the CS137 offer low on resistance. The CT137 utilizes a thru hole lead configuration, while the CS137 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.

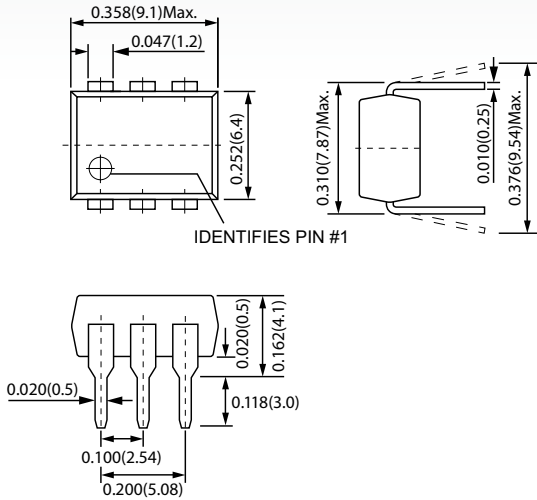
CT137/CS137 Features

- ▶ Contact Form: 1A
- ▶ Load Voltage: 60V Maximum
- ▶ Operation LED Current: 3.0mA Maximum
- ▶ Load Current: 400mA Maximum
- ▶ On-Resistance: 1.6Ω Maximum
- ▶ Low Off-State Leakage Current: 1.0μA Maximum
- ▶ I/O Breakdown Voltage: 1500Vrms Minimum
- ▶ Suffix - H for I/O Breakdown Voltage: 5000Vrms Minimum

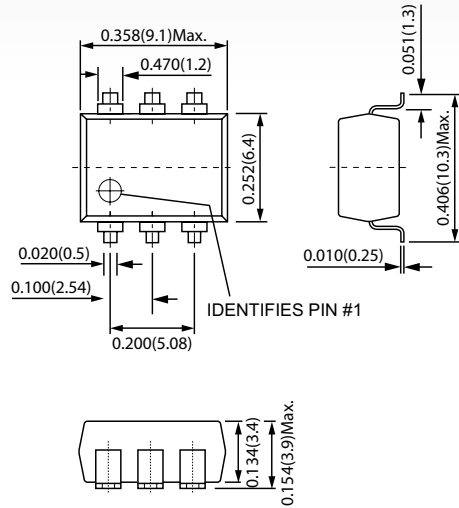


DIMENSIONS
in Inches (Millimeters)

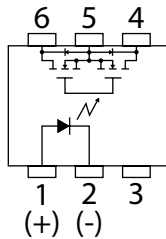
CT137



CS137



TERMINAL IDENTIFICATION



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

CT137/CS137 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)	60
Load Current	I _L	mA	400
Peak Load Current	I _{Peak}	A	2.0
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

CT137/CS137 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		0.8	1.6
Off-State Leakage Current	I _{Leak}	V _L =60V	μA			1.0
Output Capacitance	C _{Out}	V _L =0V, f=1MHz	pF		195	
TRANSMISSION						
Turn-On Time	T _{On}	I _F =10mA, I _L =Rating	ms		0.3	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.

OUR CERTIFICATE

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