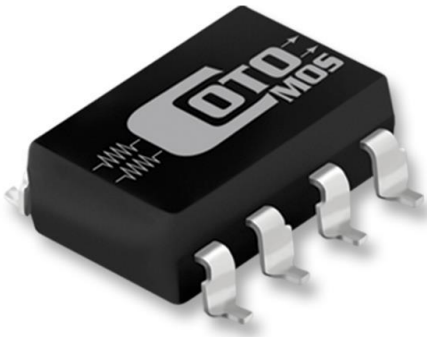


CS330 Datasheet

www.digi-electronics.com



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

DiGi Electronics Part Number	CS330-DG
Manufacturer	Coto Technology
Manufacturer Product Number	CS330
Description	SSR RELAY SPST-NO 100MA 0-400V
Detailed Description	Solid State SPST-NO (1 Form A) x 2 8-SMD (0.300", 7.62mm)

This model CS330 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:

CS330

Series:

COTOMOST™

Mounting Type:

Surface Mount

Output Type:

AC, DC

Voltage - Load:

0 V ~ 400 V

On-State Resistance (Max):

30 Ohms

Package / Case:

8-SMD (0.300", 7.62mm)

Manufacturer:

Coto Technology

Product Status:

Obsolete

Circuit:

SPST-NO (1 Form A) x 2

Voltage - Input:

1.37VDC

Load Current:

100 mA

Termination Style:

Gull Wing

Supplier Device Package:

8-SMD

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8536.49.0055

Moisture Sensitivity Level (MSL):

2 (1 Year)

ECCN:

EAR99

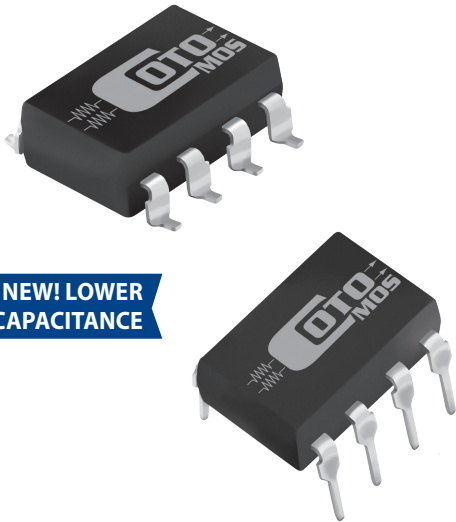
CotoMOS® CT330/CS330

The CT330 and CS330 feature current switching capability to 100mA with a low on resistance of 30Ω Maximum. Designed for Security, Industrial Controls, 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.

CT330/CS330 Features

- ▶ Contact Form: 2A
- ▶ Load Voltage: 400V Maximum
- ▶ Operation LED Current: 3.0mA Maximum
- ▶ Load Current: 100mA Maximum
- ▶ On-Resistance: 30Ω Maximum
- ▶ Low Off-State Leakage Current: 1.0μA Maximum
- ▶ I/O Breakdown Voltage: 1500Vrms Minimum
- ▶ Suffix -H for I/O Breakdown Voltage: 5000Vrms Minimum

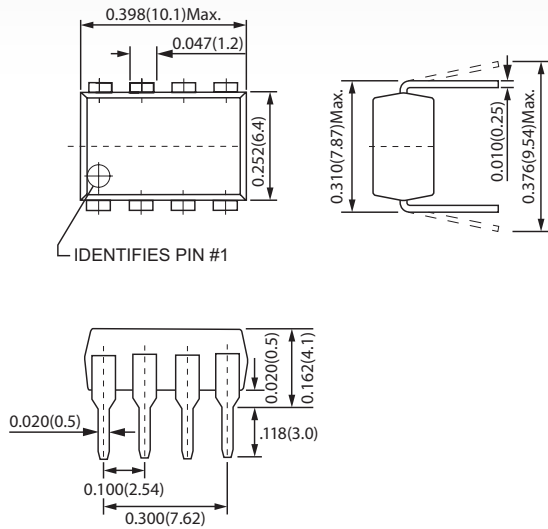
NEW! LOWER CAPACITANCE



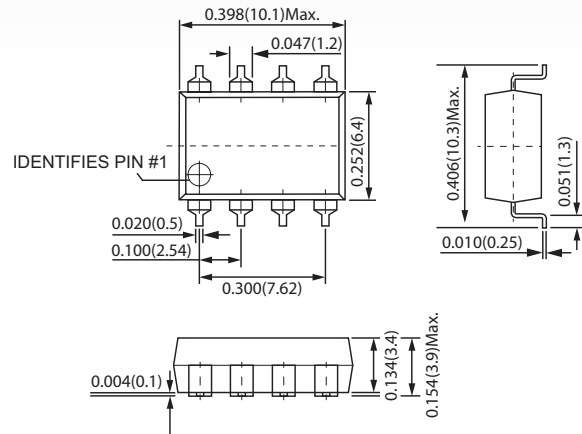
DIMENSIONS

in Inches (Millimeters)

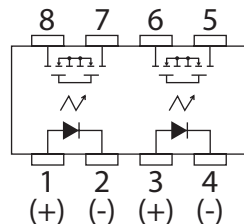
CT330



CS330



TERMINAL IDENTIFICATION



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

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

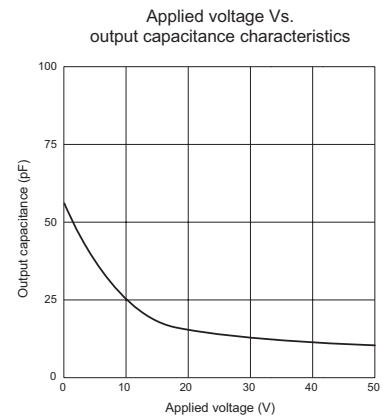
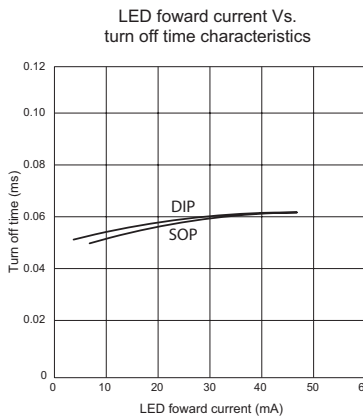
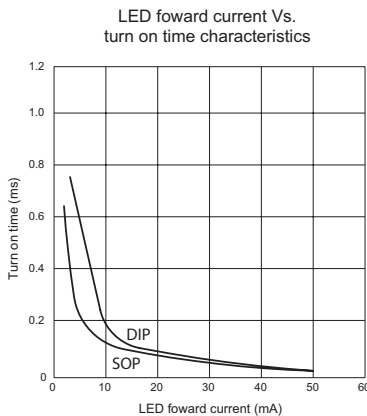
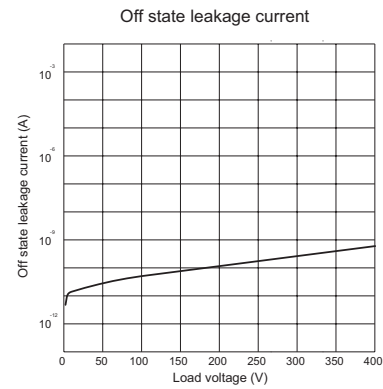
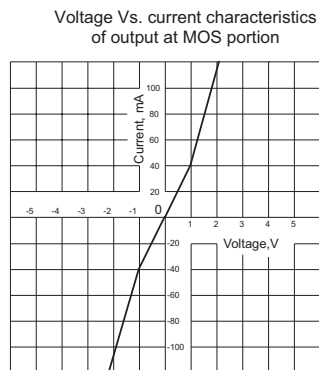
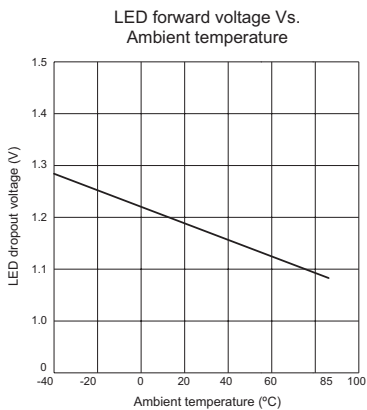
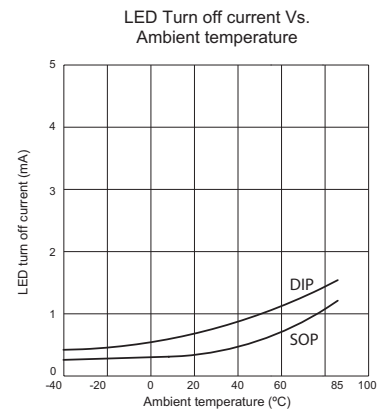
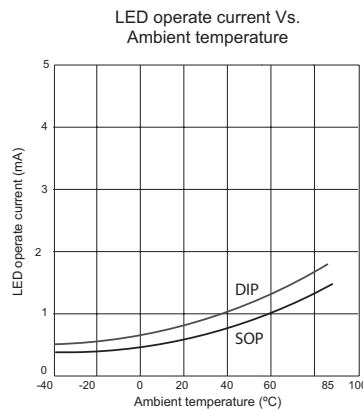
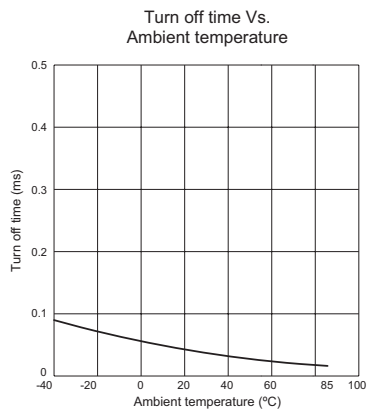
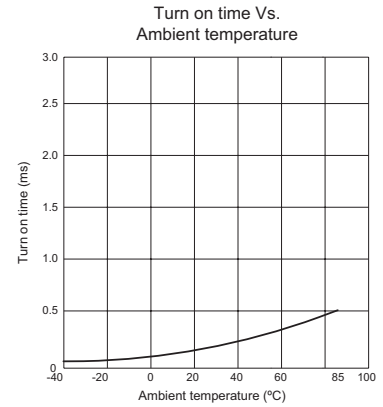
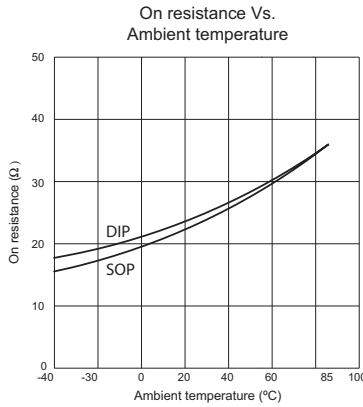
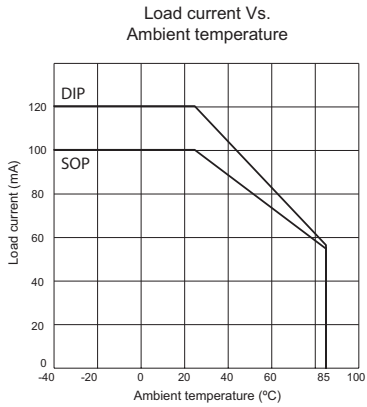
CT330/CS330 MAXIMUM RATINGS (Ambient Temperature: 25°C)			
Parameters	Symbol	Units	Value
INPUT SPECIFICATIONS			
Continuous LED Current	I_F	mA	50
Peak LED Current	I_{FP}	mA	500
LED Reverse Voltage	V_R	V	5
Input Power Dissipation	P_{in}	mW	75
OUTPUT SPECIFICATIONS			
Load Voltage	V_L	V (AC peak or DC)	400
Load Current	I_L	mA	100
Peak Load Current	I_{Peak}	A	0.6
Output Power Dissipation	P_{Out}	mW	600
RELAY SPECIFICATIONS			
Total Power Dissipation	P_T	mW	650
I/O Breakdown Voltage	$V_{I/O}$	V _{rms}	1500
Operating Temperature	T_{Opr}	°C	-40 ~ +85
Storage Temperature	T_{Stg}	°C	-40 ~ +100

CT330/CS330 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	1.17	1.5
Operation LED Current	$I_{F On}$		mA		0.65	3.0
Recovery LED Voltage	$V_{F Off}$		V	0.5	1.0	
OUTPUT						
On-Resistance Drain to Drain	R_{On}	$I_F=5mA, I_L=Rating$ Time to flow is within 1 sec.	Ω		21	30
Off-State Leakage Current	I_{Leak}	$V_L=400V$	μA			1.0
Output Capacitance	C_{Out}	$V_L=0V, f=1MHz$	pF		55	
TRANSMISSION						
Turn-On Time	T_{On}	$I_F=10mA, I_L=Rating$	ms		0.2	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.

30 SERIES GRAPHS



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