

CHORDN**PhotoMOS SSR**

CRP129



- DC Slim Solid State Relay, designed for instrument output.
- Low-level off state leakage current of max.5 μ A.
- Extremely low ON resistance.
- Output maximum withstand voltage 600Vdc.
- Input control 10 to 18 mA.
- High I/O isolation voltage of 3000V.
- Eliminates the need for a power supply to drive the power MOSFET.

Product Model Specification

Model: CRP129

CR CHORDN Relay Factory Code

P PhotoMOS SSR

1 1 NO.

2 Normal load current 2A

9 Breakdown voltage 600VDC



Control characteristics (at 25°C)

DC					
Parameter	Min	Typ	Max	Unit	
LED forward current	10	18	50	mA	
LED reverse voltage	6			V	
LED forward voltage		1.2	1.3	V	
LED trigger current		3	8	mA	
Power dissipation			75	mW	

Output characteristics (at 25°C)

Parameter	Min	Typ	Max	Unit	
Breakdown voltage	600			V	
Continuous load current			2	A	
Peak current		4		A	
Power dissipation			2	W	
On resistance			0.5	Ω	
Off state leakage current			5	μ A	

General characteristics (at 25°C)

Turn on time		5	ms	
Turn off time		2	ms	
I/O capacitance		10	pF	
Ambient temperature (no icing, no condensation)		-30 /+85	°C	
Storage temperature (no icing, no condensation)		-40/+125	°C	
Ambient humidity		40 to 60	%	
Weight		1.8	g	
isolation voltage		3000	V	
Shock durability		980m/s ² max.		
max soldering terminals temperature		350°C/5s, 260°C/10s		

Dimensions(mm)

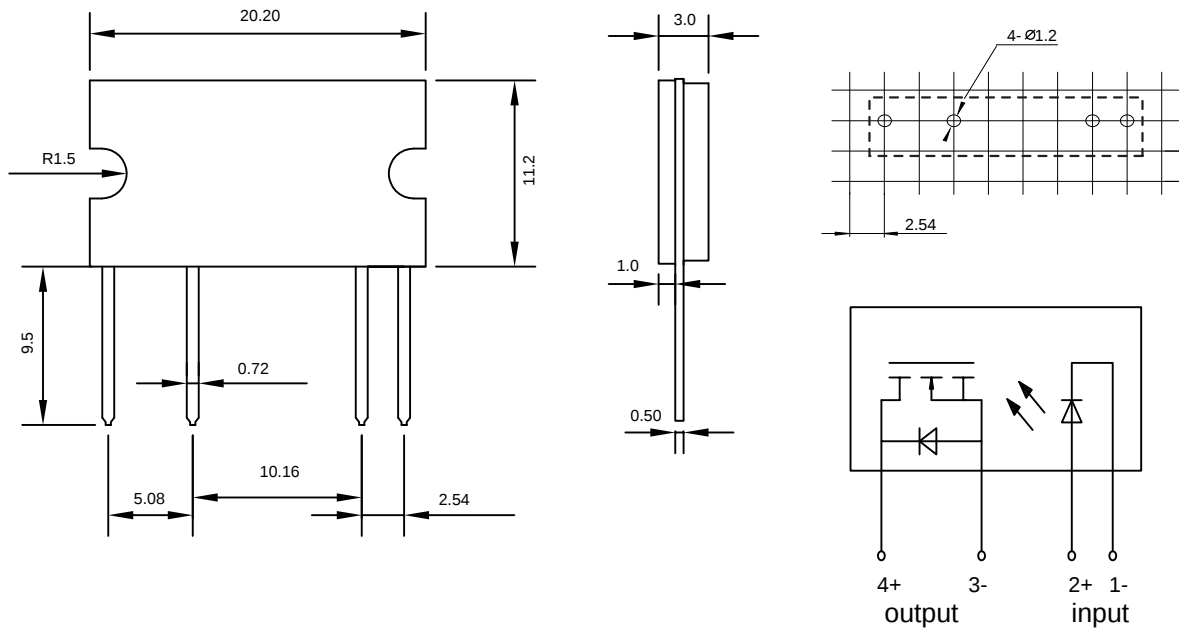


Fig.1: Load current vs. ambient temperature characteristics

Allowable ambient temperature: -40°C to +85°C

