






















Optical

Products	MOS RELAY			MOS-FET DRIVER
Pictures				
Series	EPR4	EPR2	EPR3	EPV
Features	SOP package	DIP package	SMD package	DIP/SMD/SOP package
Outline Dimension (without terminals) LxWxH (mm)	4p:4.7x4.4x2	4p:4.7x6.4x3.4		(DIP/SMD) (SOP)
	6p:6.3x4.4x2	6p:8.8x6.4x3.4		4p:4.7x6.4x3.4 4p:4.7x4.4x2
	8p:9.3x4.4x2	8p:9.78x6.4x3.4		8p:9.78x6.4x3.4 8p:9.3x4.4x2
Contact form	1A, 1B, 1C, 2A, 2B	1A, 1B, 1C, 2A, 2B	
Pin out	4pin, 6pin, 8pin			4pin, 8pin
Output	Voltage	20-600V	20-600V	8V
	Current	0.04-2.5A	0.03-6.0A	20μA
Control input	5-50mA	5-50mA		5-50mA
I/O Isolation voltage	1500VAC/ 2500VAC	2500VAC/ 3750VAC/ 5000VAC		SOP: 2500VAC DIP/SMD: 3750VAC
I.R.	5x10 ⁹ Ω	5x10 ⁹ Ω		5x10 ⁹ Ω
Time	T _{on} (Max.)	5ms	5ms	0.2ms
	T _{off} (Max.)	2ms	2ms	0.05ms
On-state resistance	0.1-60Ω	0.1-160Ω	
Option	For SOP, SMD type, Tape & Reel package available			
Others				

Solid State Relay

Products	PCB MOUNT	SLIM TYPE	MINI TYPE	POWER TYPE	3-PHASE TYPE	I/O MODULES						
Pictures												
Series	ESR2	ESR3	ESR4	ESR5	ESR6	ESR8						
Features	SIP standard package	SIP slim package	SIP mini package	1 phase power type	3 phase power type	I/O modules						
Outline dimension (without terminals) LxWxH(mm)	43.2x10.2x25.4	28x5x15	20x5x17	57x43x27.1	104x74x29.5	44x15x33						
Contact form	1A	1A	1A	1A	1A	1A						
Output	Voltage	DC	AC	DC	AC	DC	AC					
		24V 60V	120V 240V 380V	24V 48V 100V	24V 240V	120,240, 380,480VAC 60VDC 100VDC	240,480VAC	60V 240V				
Current	3,7A	3A	1.0-4A	2A	4A	1A	10,12,25,40A	10,25,40A	3A			
	Control input	DC 3-32V	5V 12V 24V,48V	5V 12V 24V	DC AC	3V 50V 32V 280V	DC AC	3V 32V	DC AC	3V 90V 32V 280V		
I/O B/D Voltage	2.5K VAC	3.5K VAC	2.5K VAC	3.5K VAC	2.5K VAC	3.5K VAC	3.5K VAC	3.5K VAC	3.5K VAC			
I.R.	10 ⁹ Ω	10 ⁹ Ω	10 ⁹ Ω	10 ⁹ Ω	10 ⁹ Ω	10 ⁹ Ω	10 ⁹ Ω	10 ⁹ Ω	10 ⁹ Ω			
Time	Ton(Max.)	Zero-on: 8.3ms	150μs	Zero-on: 8.3ms	DC 2ms	Zero-on: 8.3ms	Random-on: 2ms	Zero-on: 8.3ms	Random-on: 100μs	8.3ms	DC 50μs	AC 8.3ms
		Random-on: 100μs		Random-on: 150μs		Random-on: 100μs		8.3ms		8.3ms	100μs	8.3ms
Toff(Max.)	8.3ms	600μs	10ms	0.1ms	9.3ms	8.3ms	20ms	8.3ms	100μs	8.3ms		
On-state	1.5V	0.24V 0.6V	1.2V	0.24V	1.5V	1.6-1.8V	1.6-1.8V	1.6-1.8V	1.0V	1.5V		
Safety												
Options	w/LED				w/LED w/Heatsink	Heatsink						