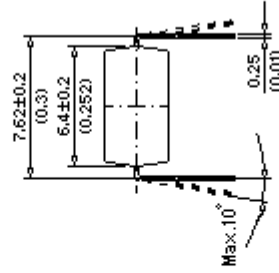
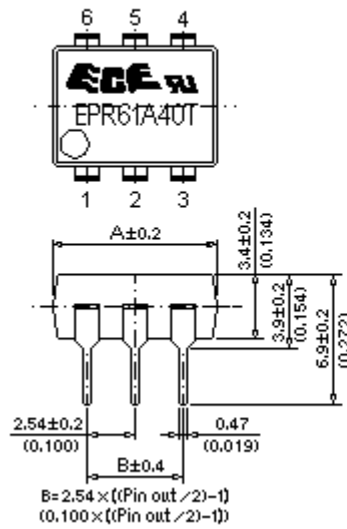


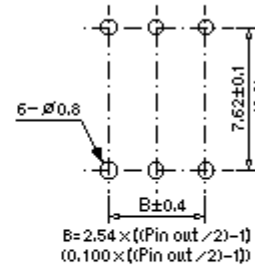


# DIMENSIONS

## EPR-DIP TYPE



## P.C.B. LAYOUT (TOP VIEW)

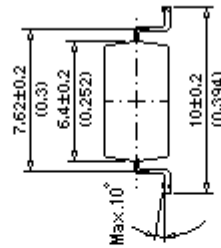
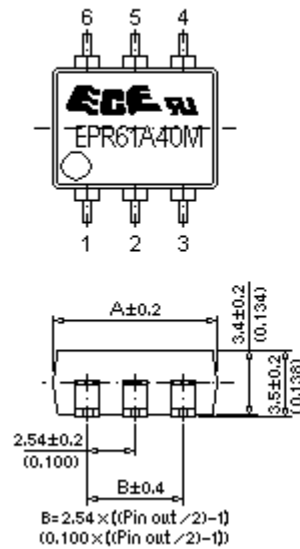


### DIMENSIONS

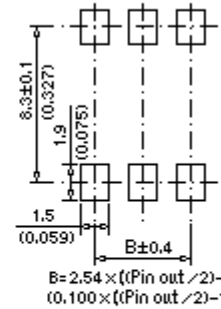
Unit:mm (inch)

Pin out	4 pin	6 pin	8 pin
Dimensions A	6.26 (0.246)	8.8 (0.346)	11.34 (0.446)
Dimensions B	2.54 (0.100)	5.08 (0.200)	7.62 (0.300)

## EPR-SMD TYPE



## P.C.B. LAYOUT (TOP VIEW)

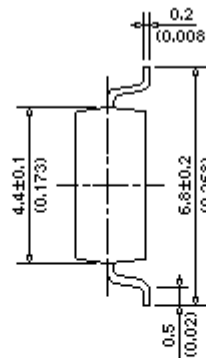
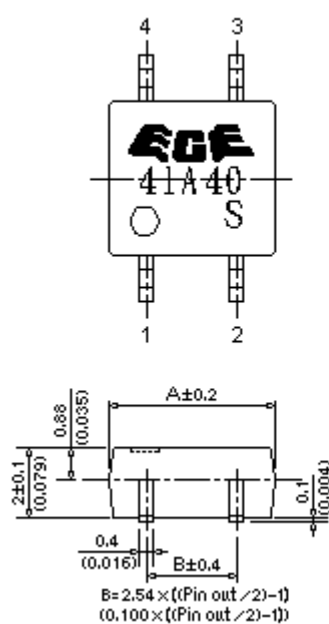


### DIMENSIONS

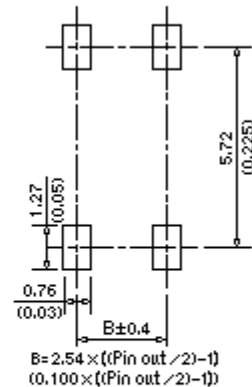
Unit:mm (inch)

Pin out	4 pin	6 pin	8 pin
Dimensions A	6.26 (0.246)	8.8 (0.346)	11.34 (0.446)
Dimensions B	2.54 (0.100)	5.08 (0.200)	7.62 (0.300)

## EPR-SOP TYPE



## P.C.B. LAYOUT (TOP VIEW)

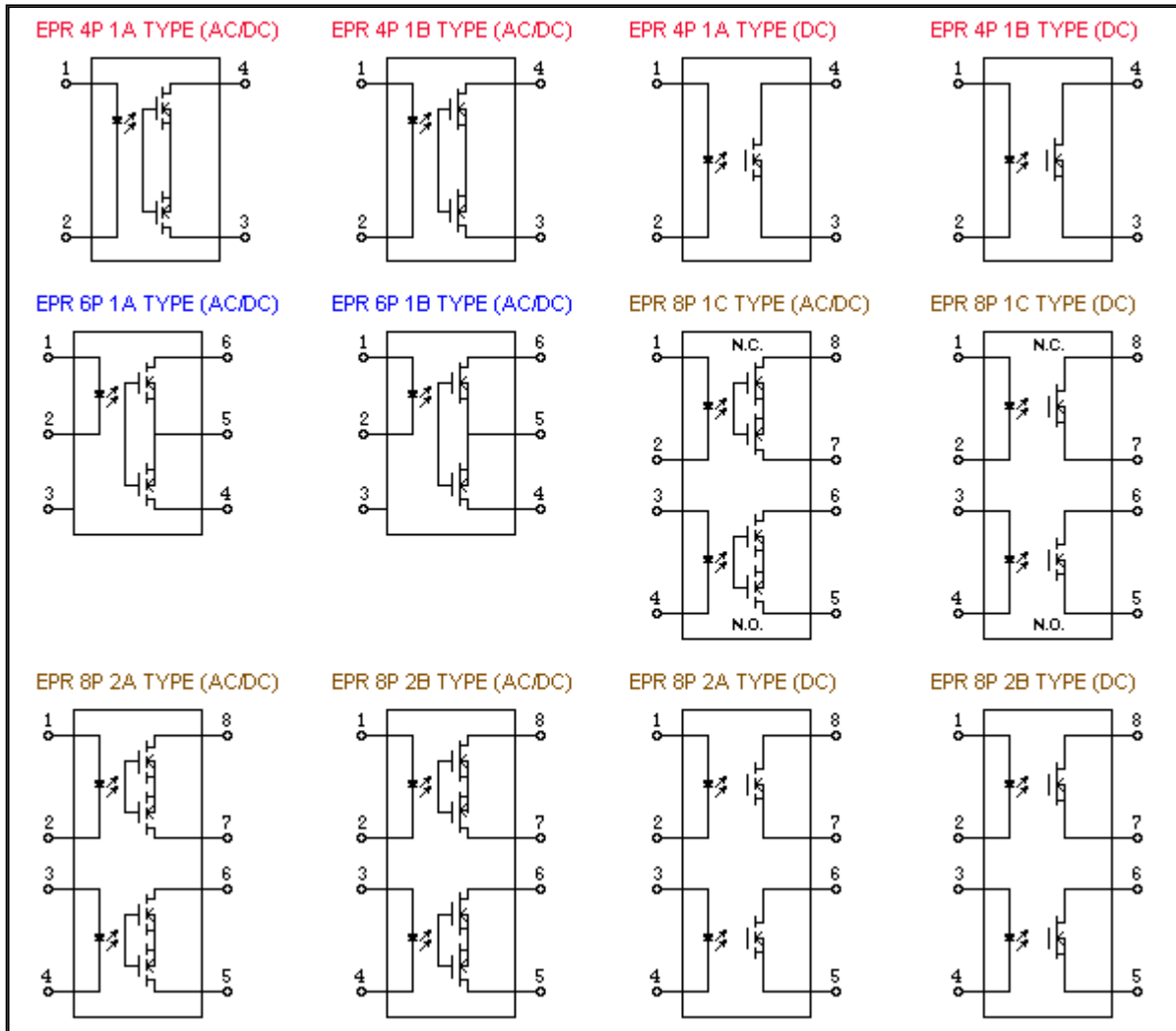


### DIMENSIONS

Unit:mm (inch)

Pin out	4 pin	6 pin	8 pin
Dimensions A	4.70 (0.185)	7.24 (0.285)	9.78 (0.385)
Dimensions B	2.54 (0.100)	5.08 (0.200)	7.62 (0.300)

# CIRCUIT DIAGRAM



## SPECIFICATIONS (@25°C)

Pin number	4 PIN			
Part number	EPRxx1A104	EPRxx1A204	EPRxx1A404	EPRxx1B404
Contact form	1A	1A	1A	1B
Input Characteristics				
Forward voltage (V)	0.9-1.5	0.9-1.5	0.9-1.5	0.9-1.5
Reverse voltage (V)	5	5	5	5
Control current (mA)	5-50	5-50	5-50	5-50
Output Characteristics				
Load voltage (V) (AC peak or DC)	100	200	400	400
Continuous rated load current (mA)	DIP/SMD	250	200	130
	SOP	200	150	100
Peak current (mA)	DIP/SMD	500	400	300
	SOP	400	300	240
On-state resistance Max. ( $\Omega$ )	Load type: AC&DC	5	10	30
	Load type: DC	2.5	5	15
Off-state leakage current ( $\mu$ A)	10	1	1	10
T <sub>on</sub> Max. (msec)	1	1	1	1
T <sub>off</sub> Max. (msec)	1	1	1	2
Capacitance (pF)	70	70	70	150
Input/ Output Characteristics				
I/O Capacitance (pF)	5	5	5	5
I/O Isolation voltage (VAC)	DIP/SMD	3750	3750	3750
	SOP	1500	1500	1500
I/O Isolation resistance(G $\Omega$ )	10	10	10	10

Pin number	6 PIN				
Part number	EPRx11A106	EPRx11A206	EPRx11A406	EPRx11B406	
Contact form	1A	1A	1A	1B	
Input Characteristics					
Forward voltage (V)	0.9-1.5	0.9-1.5	0.9-1.5	0.9-1.5	
Reverse voltage (V)	5	5	5	5	
Control current (mA)	5-50	5-50	5-50	5-50	
Output Characteristics					
Load voltage (V) (AC peak or DC)	100	200	400	400	
Continuous rated load current (mA)	DIP/SMD	250	200	130	100
	SOP	---	---	---	---
Peak current (mA)	DIP/SMD	500	400	300	250
	SOP	---	---	---	---
On-state resistance Max. ( $\Omega$ )	Load type: AC&DC	5	10	30	50
	Load type: DC	---	---	---	---
Off-state leakage current ( $\mu A$ )	10	1	1	10	
T <sub>on</sub> Max. (msec)	1	1	1	1	
T <sub>off</sub> Max. (msec)	1	1	1	2	
Capacitance (pF)	70	70	70	150	
Input/ Output Characteristics					
I/O Capacitance (pF)	5	5	5	5	
I/O Isolation voltage (VAC)	DIP/SMD	3750	3750	3750	3750
I/O Isolation resistance(G $\Omega$ )		10	10	10	10

Pin number	8 PIN						
Part number	EPRxx2A108	EPRxx2A208	EPRxx2A408	EPRxx2B408	EPRxx1C408		
Contact form	2A	2A	2A	2B	1A	1B	
Input Characteristics							
Forward voltage (V)	0.9-1.5	0.9-1.5	0.9-1.5	0.9-1.5	0.9-1.5	0.9-1.5	
Reverse voltage (V)	5	5	5	5	5	5	
Control current (mA)	5-50	5-50	5-50	5-50	5-50	5-50	
Output Characteristics							
Load voltage (V) (AC peak or DC)	100	200	400	400	400	400	
Continuous rated load current (mA)	DIP/SMD	250	200	130	100	130	100
	SOP	200	150	100	80	100	80
Peak current (mA)	DIP/SMD	500	400	300	250	300	250
	SOP	400	300	240	200	240	200
On-state resistance Max. ( $\Omega$ )	Load type: AC&DC	5	10	30	50	30	50
	Load type: DC	2.5	5	15	25	15	25
Off-state leakage current ( $\mu A$ )	10	1	1	10	1	10	
T <sub>on</sub> Max. (msec)	1	1	1	1	1	1	
T <sub>off</sub> Max. (msec)	1	1	1	2	1	2	
Capacitance (pF)	70	70	70	150	70	150	
Input/ Output Characteristics							
I/O Capacitance (pF)	5	5	5	5	5	5	
I/O Isolation voltage (VAC)	DIP/SMD	3750	3750	3750	3750	3750	
	SOP	1500	1500	1500	1500	1500	
I/O Isolation resistance(G $\Omega$ )	10	10	10	10	10	10	