

UL[®] **E236930**

- No EMI/RFI Generation
- High reliability
- No moving parts
- Low drive power requirement (TTL/CMOS Compatible)
- 3750 Voltage input/output isolation (2500V isolation for SO-package)

- Telecommunication
- Programmable controller
- MOSFET/IGBT driver

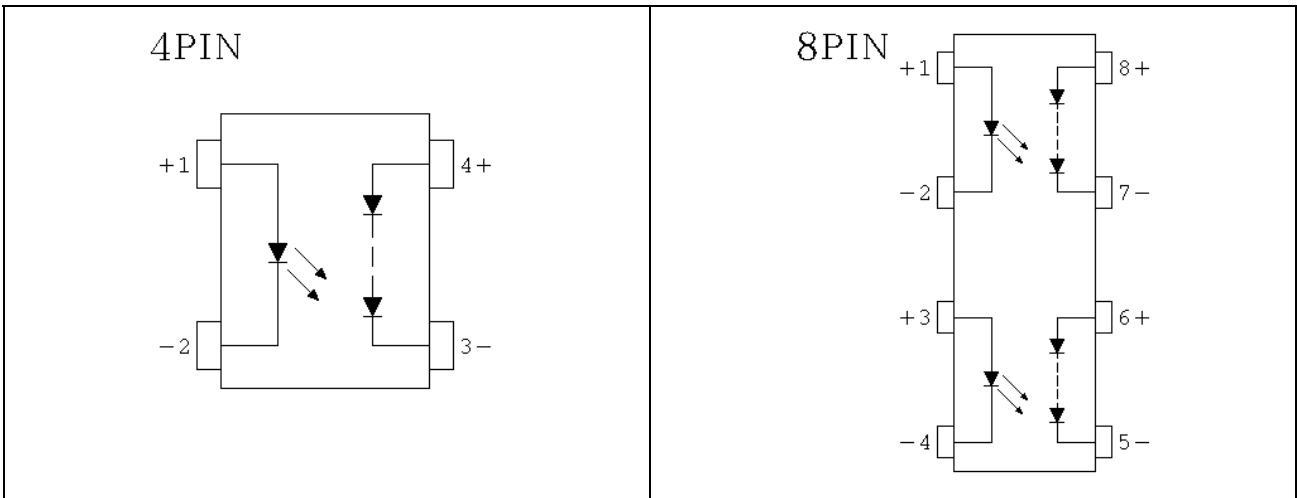
EPV 191 4 04 1 XX

Special number: 00: Standard
 Packing: 0: IC Tube
 1: Tape & Reel
 Pin out: 04: 4PIN / 08: 8PIN
 Type: 2: DIP / 3: SMD / 4: SOP
 Function code: 191
 Series name: EPV: MOS-FET DRIVER

Maximum rating (Ta=25)

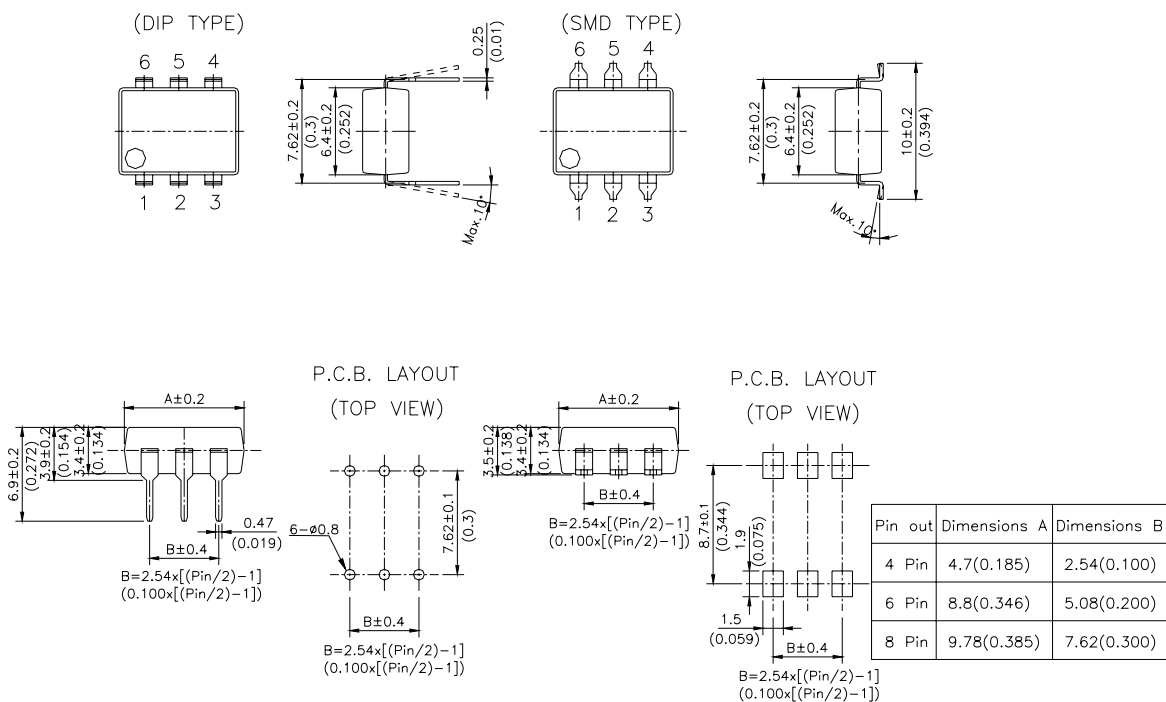
CHARACTERISTIC		SYMBOL	TEST CONDITION		MIN.	TYP.	MAX.	UNIT
LED	Forward Voltage	V _F	I _F =10mA		1.2	1.4	1.7	V
	Reverse Current	I _R	V _R =5V		---	---	10	μ A
COUPLED	Open Voltage	V _{OC}	I _F =10mA		7	8	---	V
	Short Current	I _{SC}	I _F =10mA		12	20	---	μ A
SWITCHING	Turn-on Time	t _{ON}	I _F =20mA, R _{SH} =510KΩ C _L =1000pF		---	0.2	---	ms
	Turn-off Time	t _{OFF}			---	0.05	---	ms
ISOLATION	Isolation Resistance	R _{I-O}	V=500V, R.H.≤ 60%		10	---	---	GΩ
	Isolation Voltage	BV	AC, 1 minute	SOP	2500	---	---	Vrms
			R.H. ≤ 60%	DIP/SMD	3750	---	---	Vrms

■ GORCUIT DIAGRAM



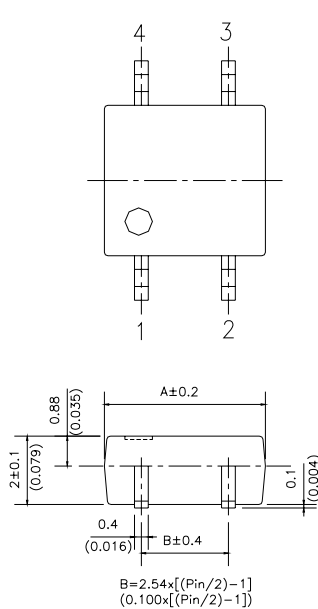
■ DIMENSIONS: UNIT:mm(inch)

EPR/EPC/EPT/EPV-DIP/SMD SERIES DIMENSIONS Unit:mm(inch)

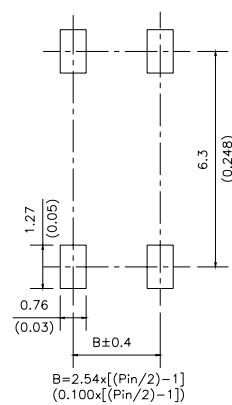




EPR/EPC/EPT/EPV-SOP SERIES DIMENSIONS Unit:mm(inch)



P.C.B. LAYOUT
(TOP VIEW)



Pin out	Dimensions A	Dimensions B
4 Pin	4.7(0.185)	2.54(0.100)
6 Pin	6.30(0.248)	5.08(0.200)
8 Pin	9.10(0.358)	7.62(0.300)