

MOS-FET DRIVER EPV SERIES



FEATURES

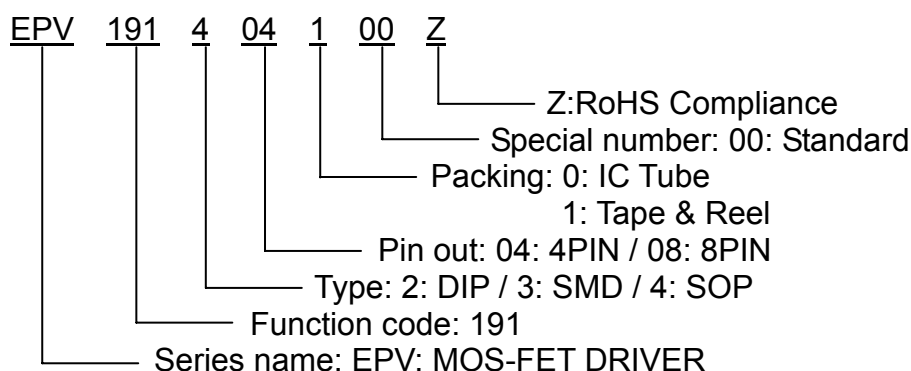
- No EMI/RFI Generation
- High reliability
- No moving parts
- Low drive power requirement (TTL/CMOS Compatible)
- 3750 Voltage input/output isolation (2500V isolation for SO-package)



APPLICATIONS

- Telecommunication
- Programmable controller
- MOSFET/IGBT driver

PART NUMBER SYSTEM



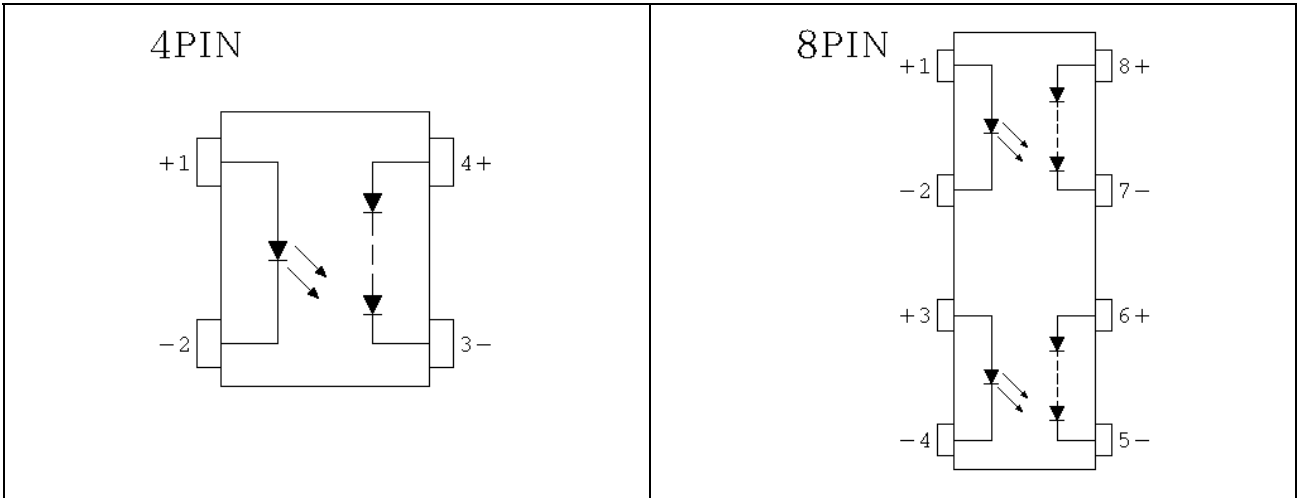
SPECIFICATIONS

Maximum rating (Ta=25 °C)

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	μA
COUPLED	Open Voltage	V _{OC}	I _F =10mA	7	8	---	V
	Short Current	I _{SC}	I _F =10mA	12	20	---	μA
SWITCHING	Turn-on Time	t _{ON}	I _F =20mA, R _{SH} =510K	---	0.2	---	ms
	Turn-off Time	t _{OFF}	C _L =1000pF	---	0.05	---	ms
ISOLATION	Isolation Resistance	R _{I-O}	V=500V, R.H.≤ 60%	10	---	---	G
	Isolation Voltage	BV	AC, 1 minute R.H. ≤ 60%				
			SOP	2500	---	---	Vrms
			DIP/SMD	3750	---	---	Vrms

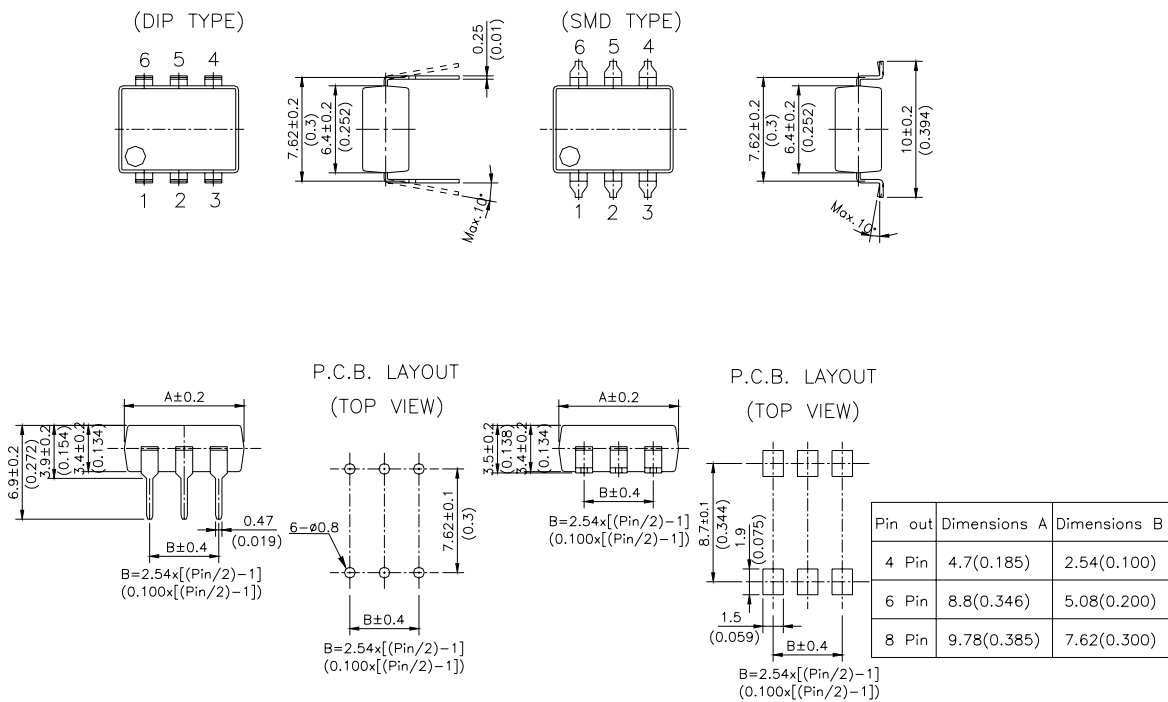


GORCUIT DIAGRAM



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)

