

IPM Driver Photo Coupler

IPM-drive photo couplers are available with an output in open-collector and inverting and positive totem-pole configurations. Therefore, you can find optimal photo couplers that best fit your needs, regardless of the input configuration (active level) of the driven IPM.

This LSOP package driver features a small footprint with a 2 mm height and minimum 8 mm clearance and external creepage distance. It saves up to 30 % package height compared to the standard DIP package.

Features

- Performance Specified for Common IPM Applications Over Industrial Temperature Range. - 40°C ~ +110°C
- Short Maximum Propagation Delays 0.2uS
- Pulse Width Distortion (PWD) 0.12us (max.)

Application

- IPM Interface Isolation
- Isolated IGBT/MOSFET Gate Drive
- AC and Brushless DC Motor Drives
- Industrial Inverters
- General Digital Isolation



Electrical Characteristics (Ta=25°C)

Part No	Package	Output type	I _{on} Max (mA)	Output current max (mA)	CTR min(%) At I _F =10mA	t _{PLH} Max (nS)	t _{PHL} Max (nS)	Supply voltage Max (V)	CMR Min (KV)	Isolation voltage (V _{rms})
KPC456	SOP 5	Open collector	5	4.4	44	400	400	35	15	3750
KPC4506	DIP 8	Open collector	5	4.4	44	400	400	35	15	5000
KPC483	SOP 5	Totem pole	2.0	160	-	220	220	35	20	3750
KPC484	SOP 5	Totem pole	2.5	160	-	220	220	35	20	3750
KT0480	LSOP 6	Totem pole	1.5	160	-	220	220	35	20	5000
KT0481	LSOP 6	Totem pole	2.5	160	-	220	220	35	20	5000

