

IGBT Gate Driver Photo Coupler

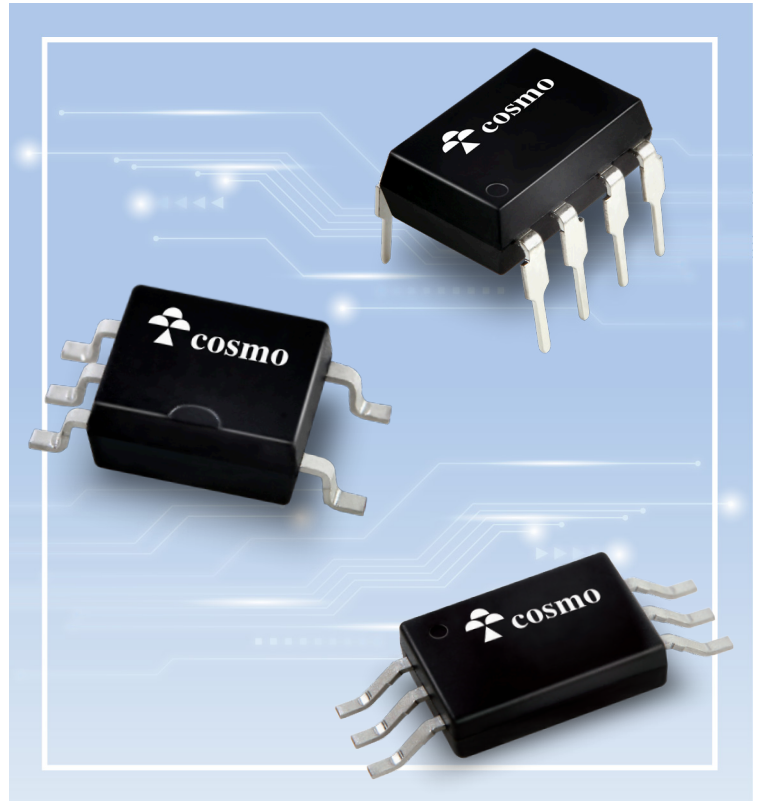
These photo couplers are ideally suited for driving power IGBTs and MOSFETs used in motor control inverter applications and inverters in power supply system. This LSOP package driver features a small footprint with a 2 mm height and minimum 8 mm clearance and external creepage distance. It saves up to 30 % package height compared to the standard DIP package.

Application

- Solar inverter
- DC brushless and AC motor drives
- Induction stove tops
- Inverters and DC/DC converters
- Uninterruptible power supplies (UPS)
- Welding equipment
- Alternative energy

Features

- Output current 1 to 4 A
- Widest supply voltage from 10 V to 30 V
- Low current consumption of 2.5 mA (max.)
- Wide operating temp. from -40 °C to +110 °C
- CMR of 20 kV/μs min.
- Propagation delay of 100 ns (typ.)
- PWD of 100 ns (max.)



Electrical Characteristics (Ta=25°C)

Part No	Package	I _{on} Min (mA)	Output current max (A)	t _{PLH} Max (nS)	t _{PHL} Max (nS)	Supply voltage (V)	CMR Min (KV)	Isolation voltage (V _{rms})
KPC315	SOP 5	7	1	200	200	10-30	20	3750
KT0314	LSOP 6	7	1	110	110	15-30	20	5000
KT0341	LSOP 6	7	3	110	110	15-30	20	5000
KT0343	LSOP 6	7	4	110	110	15-30	20	5000
KTLP350	DIP 8	7	2.5	500	500	10-30	20	5000
KP1510	DIP 8	7	2.5	250	250	15-30	25	5000

