

IGBT / MOSFET Gate Drive Optocoupler

Part Number	Features	Peak Output Current	Isolation Voltage	V_{CC}	T_{OP}	UVLO+	UVLO-	Input Threshold Current (Low to High)	Input Threshold Voltage (High to Low)	t_{PLH} , t_{PHL}	CM_H	CM_L
		Max (A)		Max (V)	(°C)	(V)	(V)	Max (mA)	Min (V)	Max (μs)	Min (KV/ μs)	Min (KV/ μs)
ICPL-3120	2.5A Output High Common Mode Noise Immunity with UVLO Gate Drive Optocoupler	± 2.5	5	35 Note 1	-40 - 110	11.5 - 13.5	10 - 12	$V_O > 5V$, $I_F = 10mA$	$V_O < 5V$, $I_F = 10mA$	$I_F = 7-16 mA$ $R_g = 10 \Omega$ $C_g = 10 nF$ $f = 10 kHz$ D.C. = 50%	$V_{CC} = 30V$ $I_F = 0-16mA$ $V_{CM}=1500$ Vp-p	$V_{CC} = 30V$ $V_F = 0V$ $V_{CM}=1500$ Vp-p

Note 1 : V_{CC} must be bypassed by a minimum 0.1 μF capacitor

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