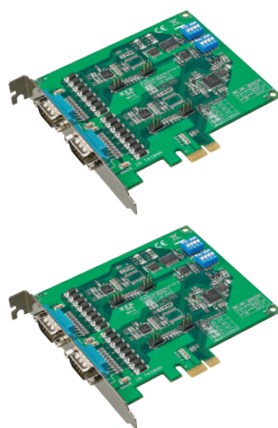


COSMO Product High Speed Photo Coupler Series

COSMO offers photo couplers that conform to various communication standards, such as low- and medium-speed RS-232, high-speed RS-485, and factory networks. Provides isolation voltage up to 5kVrms enhances end-application safety and high CMTI 10K/us min provides noise reduction for noisy industrial environments.

Application

- Factory automation
- Smart meters
- High speed digital interfaces
- Power supply feedback
- Home appliances



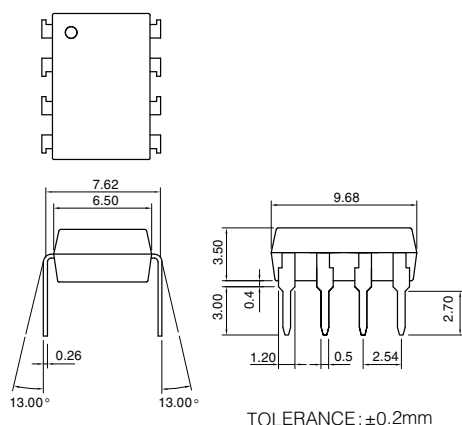
Features

- Wide range of high speed couplers with extended temp. range from -40°C to +110°C
- Extensive range of data rate options from 1Mbps to 15Mbps
- Optical isolation with guaranteed internal galvanic isolation distance of minimum 0.4mm
- Leading edge technology for highest reliability and lowest power consumption
- Package variety with clearance/creepage distances from 4mm to 8mm

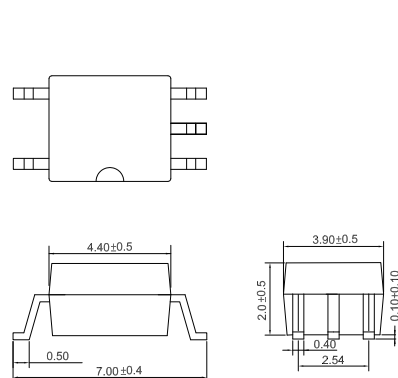
Package Dimensions



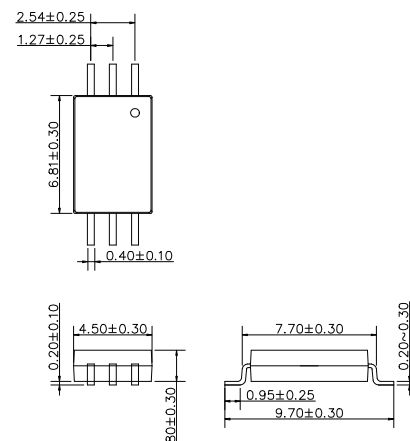
8PIN



5SOP



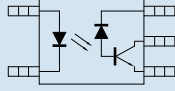
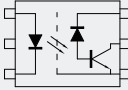
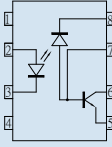
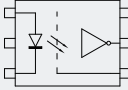
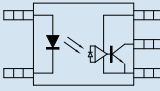
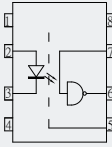
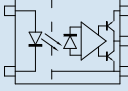
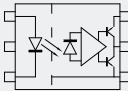
6LSOP



COSMO Product

High Speed Photo Coupler Series

Electrical Characteristics (Ta=25°C)

Part No	Schematic	Output type	Package	Vcc	I _{fon} (mA)	CTR min (%)	t _{PLH} Max (uS)	t _{PHL} Max (uS)	CMR Min (KV)	Isolation voltage (Vrms)
KPC453		Open collector 1Mbps	SOP 5	30	16	19	0.8	0.8	10	3750
KT050L		Open collector 1Mbps	LSOP 6	30	16	19	0.8	0.8	10	5000
KPC4503		Open collector 1Mbps	DIP 8	30	16	19	0.8	0.8	10	5000
KPC611		Open collector 10Mbps	SOP 5	3.3/5	5	-	90ns	90ns	10	3750
KT060L		Open collector 10Mbps	LSOP 6	5	5	-	75ns	75ns	10	5000
KPC2611		Open collector 10Mbps	DIP 8	3.3/5	5	-	90ns	90ns	10	5000
KPC615		Totem pole 15Mbps	SOP 5	3.3/5	5	-	60ns	60ns	10	3750
KT065L		Totem pole 15Mbps	LSOP 6	3.3/5	5	-	60ns	60ns	10	5000

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