

OPTOCOUPLER

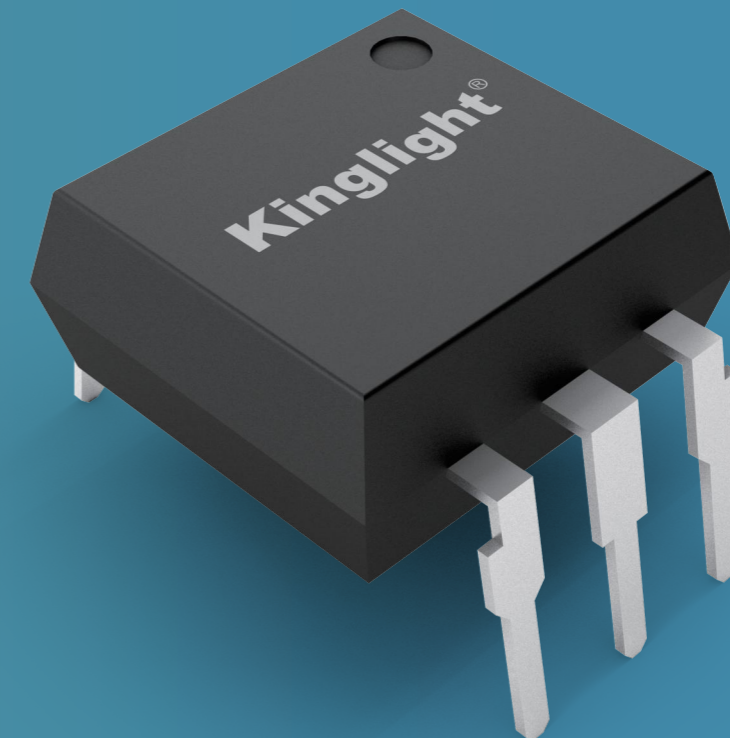
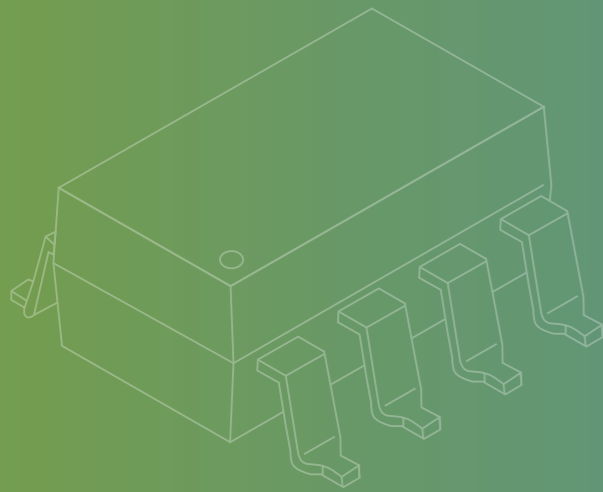
品质卓越

Excellence in Quality

技术领先的高端光耦制造商

Prominent Optocoupler Manufacturer With Leading Technology

光耦产品目录 OPTOCOUPLER CATALOG



Kinglight® 晶台



关注公众号 了解更多

销售：深圳市宝安区福海街道福园一路润恒鼎丰产业园4栋
Sales: Runheng Dingfeng Technology Park, Fuhai Street Baoan District, Shenzhen 518103 China

工厂：江苏省苏州市张家港杨舍镇国泰北路288号
Factory: No.288, Guotai North Road, Yangshe Town, Zhangjiagang, Suzhou 215699 China

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2024-V1

苏州晶台光电有限公司

SUZHOU KINGLIGHT OPTOELECTRONICS CO., LTD.



深圳公司 SHENZHEN COMPANY:

成立 Established in: **2008**

员工人数 Staff: **200+**

办公面积 Office Area: **8000m²**

苏州工厂 SUZHOU FACTORY:

成立 Established in: **2014**

投资 Investment: **34亿** (CNY 3400 Million)

员工人数 Staff: **2000+**

占地面积 Covering Area: **150亩** (25 Acres)

建筑面积 Building Area: **140,000m²**



ABOUT US

KINGLIGHT, established in 2008, is a high-tech enterprise specializing in the research & development, production and sales of optoelectronic semiconductor devices. In 2014, we invested CNY3400 million to build an intelligent manufacturing base covering an area of 25 Acres (Building Area 140,000m²) in Suzhou, equipped with advanced production equipments and processes. KINGLIGHT is one of the largest optoelectronic semiconductor manufacturing enterprises in China.

KINGLIGHT established the Optocoupler Division in 2022, and has successfully implemented comprehensive mass production since the beginning of 2023. The main products include: Photo Transistor Couplers, Photo Triac Couplers, High Speed Optocouplers, Solid State Relays, Photo Darlington Couplers, Schmidt triggers Couplers, IGBT Driver Optocouplers and IPM Driver Optocouplers. The products are applied widely in Automotive Electronics, New Energy (Photovoltaic, Energy storage, Inverter), Servers, Industrial Power Supplies, 5G Communication, Power Grids, Smart Home Appliances, Consumer Electronics, Internet of things (IoT), etc.

KINGLIGHT complies strictly to the requirements of ISO9001, ISO14001, and IATF16949 systems for internal management. Our products have acquired UL, VDE, CQC, AEC-Q102 and State Grid Certification, fully compliant with RoHS, REACH, and halogen-free requirements, and the quality of which has reached the advanced level internationally.

KINGLIGHT adheres to the values of "Creating Value for Customers and Driving Industry", with the concept of innovation-driven development and technology leading the future, KINGLIGHT continuously increases research and development investment, actively expands cutting-edge technology application fields and is committed to becoming a world-renowned optocoupler manufacturer with excellent quality and leading technology.

关于晶台

晶台，成立于2008年，是专业从事光电半导体器件研发、生产、销售的国家高新技术企业。2014年，公司投资34亿元，在苏州打造占地150亩（建筑面积14万平方米）的智能制造基地，配备先进的生产设备和工艺流程，是国内最大的光电半导体制造企业之一。

2022年，晶台成立光耦事业部，并于2023年实现全面量产，主要产品包括：晶体管光耦、可控硅光耦、高速光耦、固态继电器、达林顿光耦、施密特触发器、IGBT驱动光耦以及IPM驱动光耦等。广泛应用于汽车电子、新能源（光伏、储能、逆变）、伺服器、工业电源、5G通讯、电力电网、智能家电、消费电子以及物联网等多个行业与领域。

晶台严格依照ISO9001、ISO14001和IATF16949体系要求进行内部管理，产品通过了UL、VDE、CQC、AEC-Q102及国网认证，符合RoHS、REACH和无卤要求，品质达到国际先进水平。

晶台秉持“为客户创造价值，为产业创造动力”的价值观，以创新驱动发展、科技引领未来的理念，持续加大研发投入，积极拓展前沿科技应用领域，致力于成为品质卓越、技术领先的高端光耦制造商。



晶台发展历程 KINGLIGHT Development History



晶台创新技术研究院 KINGLIGHT Innovation Technology Research Institute

CNAS实验室 LABORATORY Certificated by CNAS

投资 Investment: **3.5亿+** (CNY 350 Million +)

工程师 Engineer: **400+**

专利 (国际/发明/新型实用) Patents (International / Invention / New Utility) : **210+**



苏州智能制造基地 Intelligent Manufacturing Base in Suzhou



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高速光耦 High Speed Optocoupler

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IGBT驱动光耦 IGBT Driver Optocoupler

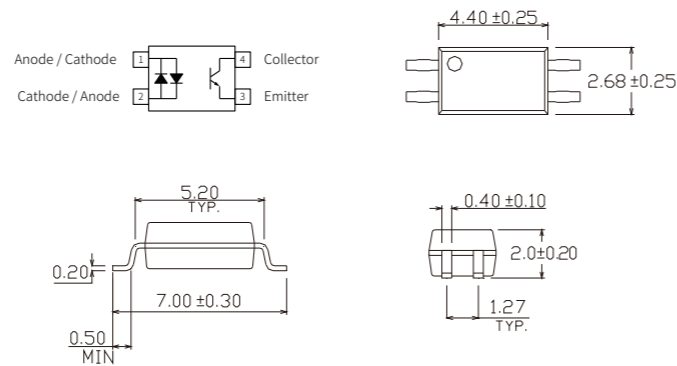
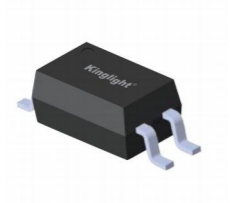
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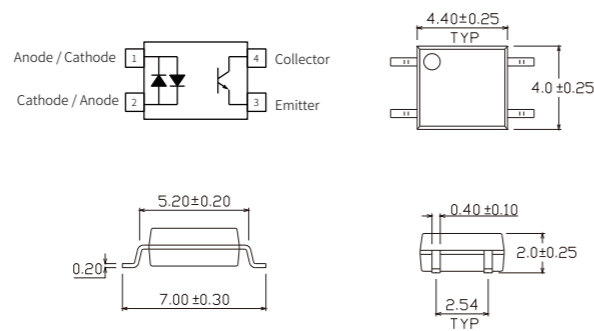
晶体管光耦
Photo Transistor Coupler (AC)

SSOP4



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (V _{rms})
KL3H4	4.4x2.68x2.0	1.2	80	0.2	±1	20~300	6	8	-55	100	3750
KL3H4A	4.4x2.68x2.0	1.2	80	0.2	±1	50~150	6	8	-55	100	3750
KL3H4B	4.4x2.68x2.0	1.2	80	0.2	±1	80~300	6	8	-55	100	3750

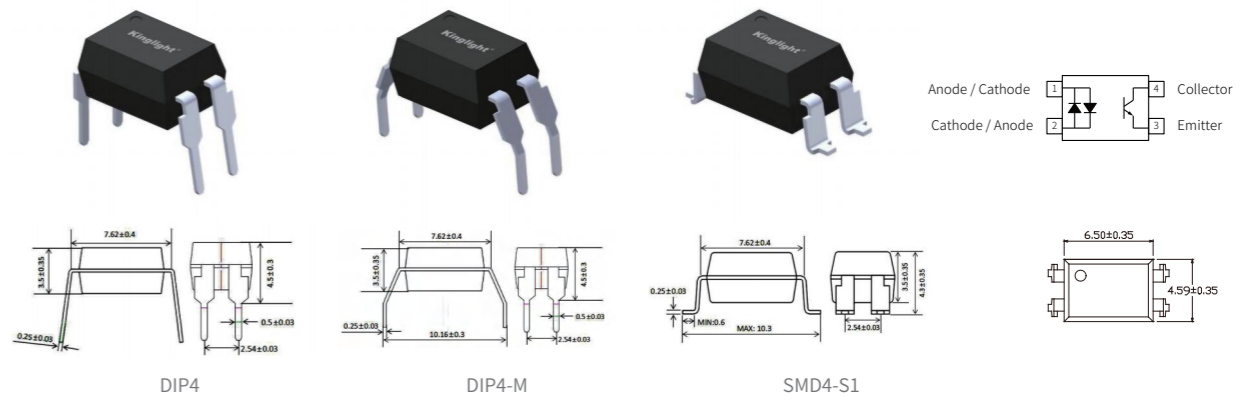
SOP4



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (V _{rms})
KL354N	4.4x4.0x2.0	1.2	80	0.2	±1	20~300	6	8	-55	100	3750
KL354NA	4.4x4.0x2.0	1.2	80	0.2	±1	50~150	6	8	-55	100	3750
KL354NB	4.4x4.0x2.0	1.2	80	0.2	±1	80~300	6	8	-55	100	3750

晶体管光耦
Photo Transistor Coupler (AC)

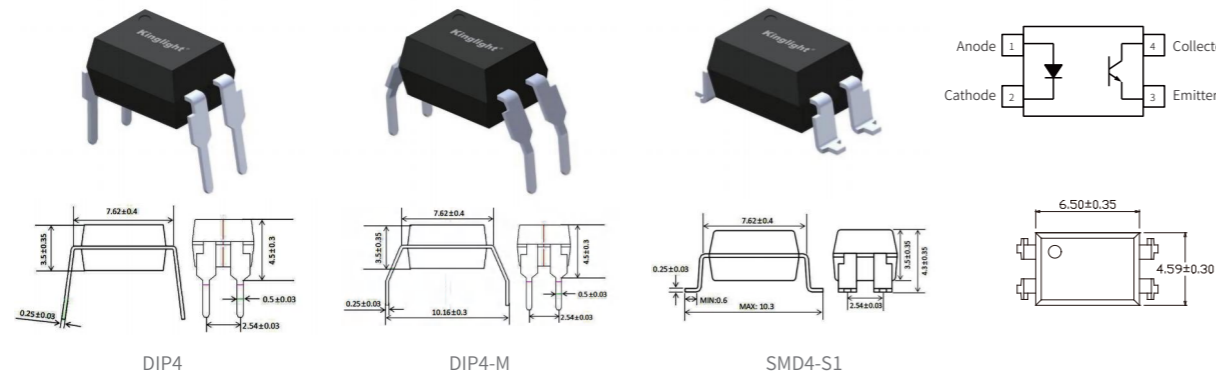
DIP4/SMD4



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{ON} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (V _{rms})
KL814	6.5x4.59x3.5	1.2	80	0.2	±1	20~300	11	7	-	-	-55	110	5000
KL814A	6.5x4.59x3.5	1.2	80	0.2	±1	50~150	11	7	-	-	-55	110	5000

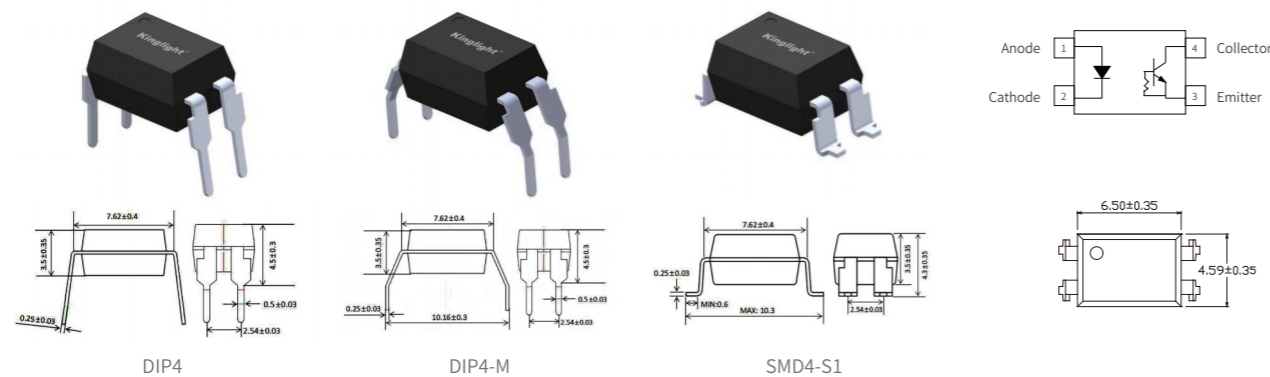
晶体管光耦
Photo Transistor Coupler (DC)

DIP4/SMD4



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{on} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{ISO} (V _{rms})
KL816	6.5x4.59x3.5	1.2	80	0.2	5	50~600	4	3	-	-	-55	110	5000
KL817	6.5x4.59x3.5	1.2	80	0.2	5	50~600	6	8	-	-	-55	110	5000
KL8171	6.5x4.59x3.5	1.2	70	0.2	0.5	100~350	6	8	-	-	-30	100	5000
KL817L	6.5x4.59x3.5	1.3	80	0.3	0.1	50~600	8	12	-	-	-55	110	5000
KL817H	6.5x4.59x3.5	1.2	80	0.3	5	50~600	6	8	-	-	-55	125	5000
KL2501	6.5x4.59x3.5	1.2	80	0.3	5	80~600	3	5	-	-	-55	110	5000
KL851	6.5x4.59x3.5	1.2	350	0.4	5	50~600	4	5	-	-	-55	100	5000

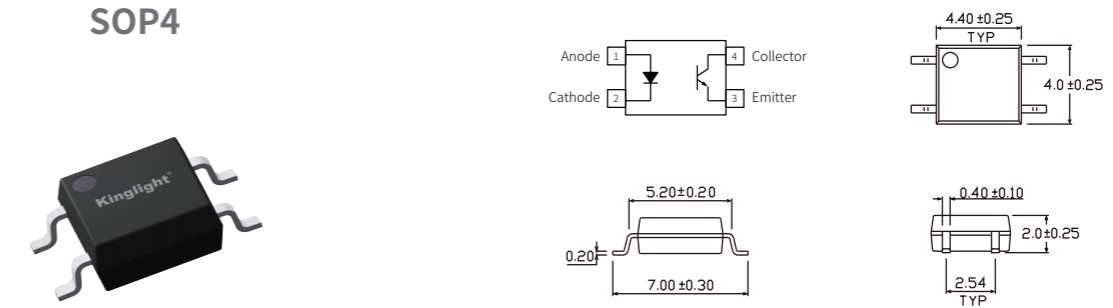
DIP4/SMD4



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{on} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{ISO} (V _{rms})
KL2514	6.5x4.59x3.5	1.2	40	0.35	5	50~200	-	-	15	15	-55	110	5000

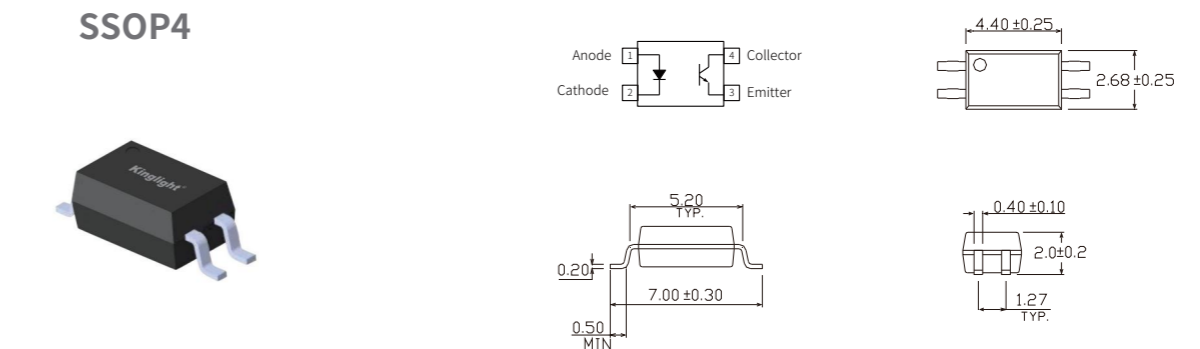
晶体管光耦
Photo Transistor Coupler (DC)

SOP4



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{ISO} (V _{rms})
KL357	4.4x4.0x2.0	1.2	80	0.2	5	50~600	3	4	-55	110	3750
KL357NL	4.4x4.0x2.0	1.3	80	0.3	0.1	50~600	8	12	-55	110	3750
KL357NH	4.4x4.0x2.0	1.2	80	0.3	5	50~600	6	8	-55	125	3750
KL357NU	4.4x4.0x2.0	1.3	60	0.35	0.5	50~600	3	4	-40	125	3750

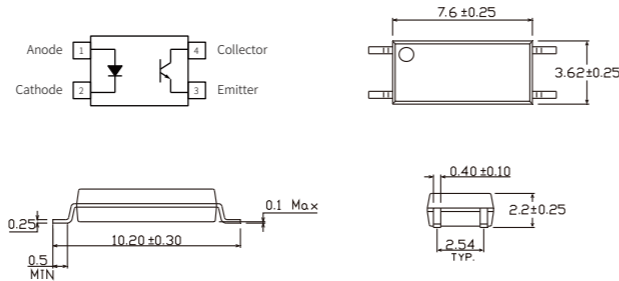
SSOP4



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{ISO} (V _{rms})
KL3H7	4.4x2.68x2.0	1.2	80	0.2	5	50~600	5	3	-55	110	3750
KL3H7L	4.4x2.68x2.0	1.3	80	0.3	0.1	50~600	8	12	-55	110	3750
KL3H7HT	4.4x2.68x2.0	1.2	80	0.3	5	50~600	6	8	-55	125	3750
KL3H7U	4.4x2.68x2.0	1.3	60	0.4	0.5	50~600	8	10	-40	125	3750

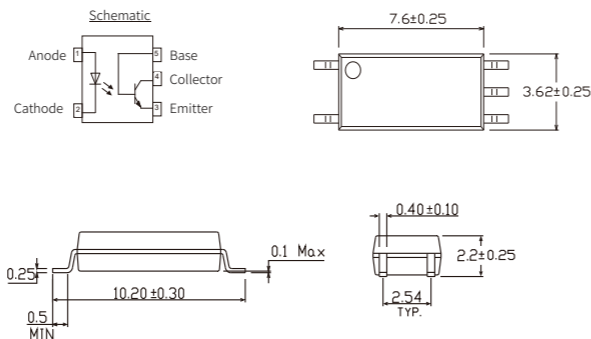
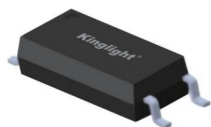
晶体管光耦
Photo Transistor Coupler (DC)

LSOP4



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{on} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL1010	7.6x3.62x2.2	1.45	80	0.3	5	50~600	2	3	4	3	-55	110	5000
KL1012	7.6x3.62x2.2	1.45	80	0.3	10	63~125	2	3	4	3	-55	110	5000
KL1013	7.6x3.62x2.2	1.45	80	0.3	10	100~200	2	3	4	3	-55	110	5000
KL1014	7.6x3.62x2.2	1.45	80	0.3	10	160~320	2	3	4	3	-55	110	5000
KL1017	7.6x3.62x2.2	1.45	80	0.3	5	80~160	2	3	4	3	-55	110	5000
KL1018	7.6x3.62x2.2	1.45	80	0.3	5	130~260	2	3	4	3	-55	110	5000
KL1019	7.6x3.62x2.2	1.45	80	0.3	5	200~400	2	3	4	3	-55	110	5000
KL101L	7.6x3.62x2.2	1.3	80	0.3	0.1	50~600	8	12	-	-	-55	110	5000
KL1010H	7.6x3.62x2.2	1.2	80	0.35	5	50~600	6	8	-	-	-55	125	5000
KL101U	7.6x3.62x2.2	1.3	60	0.35	0.5	50~600	-	-	1	50	-40	125	5000

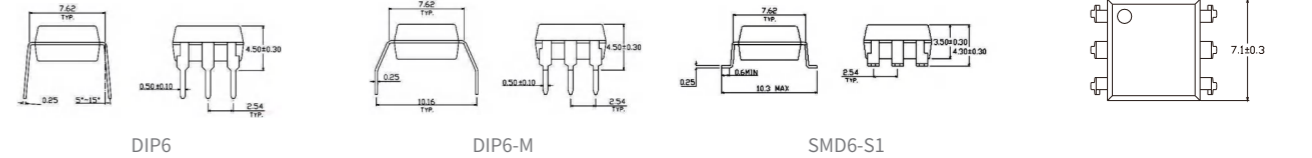
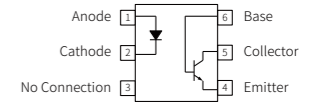
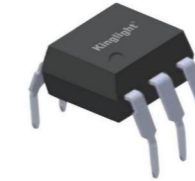
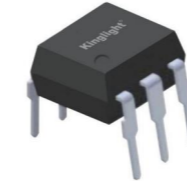
LSOP5



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{on} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL1110	7.6x3.62x2.2	1.45	80	0.3	5	50~600	2	3	4	3	-55	110	5000
KL1112	7.6x3.62x2.2	1.45	80	0.3	10	63~125	2	3	4	3	-55	110	5000
KL1113	7.6x3.62x2.2	1.45	80	0.3	10	100~200	2	3	4	3	-55	110	5000
KL1114	7.6x3.62x2.2	1.45	80	0.3	10	160~320	2	3	4	3	-55	110	5000
KL1116	7.6x3.62x2.2	1.45	80	0.3	5	100~300	2	3	4	3	-55	110	5000
KL1117	7.6x3.62x2.2	1.45	80	0.3	5	80~160	2	3	4	3	-55	110	5000
KL1118	7.6x3.62x2.2	1.45	80	0.3	5	130~260	2	3	4	3	-55	110	5000
KL1119	7.6x3.62x2.2	1.45	80	0.3	5	200~400	2	3	4	3	-55	110	5000

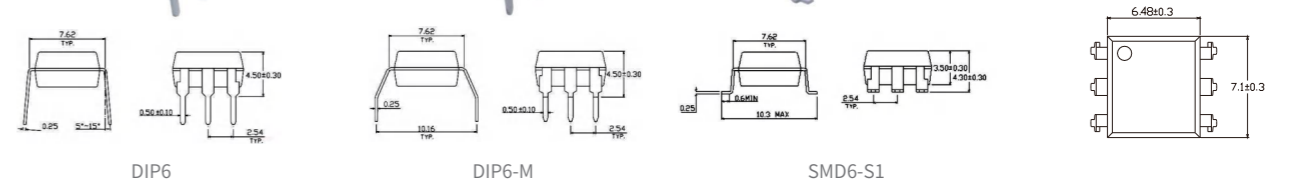
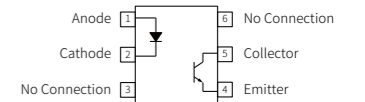
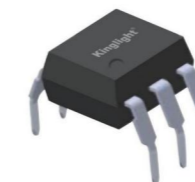
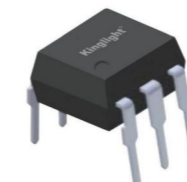
晶体管光耦
Photo Transistor Coupler (DC)

DIP6



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{on} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL4N25	7.1x6.48x3.5	1.2	80	0.5	10	>20	-	-	3	3	-55	110	5000
KL4N26	7.1x6.48x3.5	1.2	80	0.5	10	>20	-	-	3	3	-55	110	5000
KL4N27	7.1x6.48x3.5	1.2	80	0.5	10	>10	-	-	3	3	-55	110	5000
KL4N28	7.1x6.48x3.5	1.2	80	0.5	10	>10	-	-	3	3	-55	110	5000
KL4N35	7.1x6.48x3.5	1.2	80	0.3	10	>100	-	-	10	9	-55	110	5000
KL4N36	7.1x6.48x3.5	1.2	80	0.3	10	>100	-	-	10	9	-55	110	5000
KL4N37	7.1x6.48x3.5	1.2	80	0.3	10	>100	-	-	10	9	-55	110	5000
KL4N38	7.1x6.48x3.5	1.2	80	1	10	>20	-	-	10	9	-55	110	5000

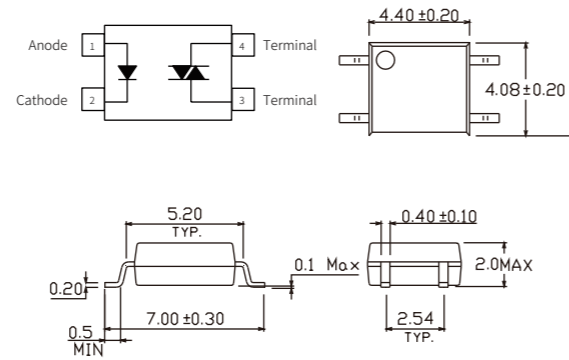
DIP6



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{on} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL4NY17F	7.1x6.48x4.5	1.4	80	0.3	10	>40	6	8	10	9	-55	110	5000

可控硅光耦
Photo Triac Coupler (随机相位Random-Phase)

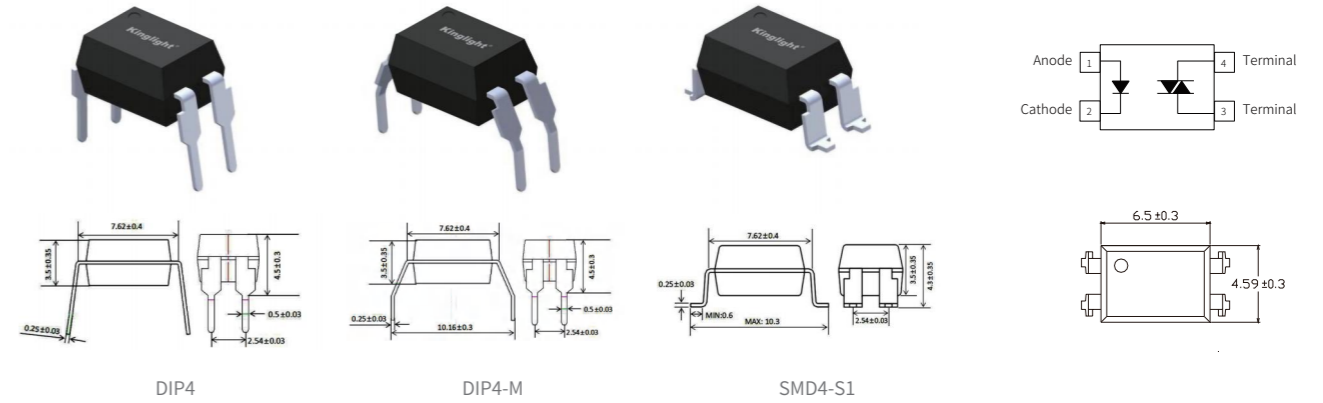
SOP4



PN Series	Size (LxWxHmm)	V _F (V)	V _{DRM} (Max) (V)	V _{TM} (V)	V _{INH} (V)	I _{T(rms)} (mA)	I _{FT} (mA)	Topr (Min) (°C)	Topr (Max) (°C)	V _{ISO} (Vrms)
KLM3022	4.4x4.1x2	1.5	400	2.5	-	70	10	-40	110	3750
KLM3023	4.4x4.1x2	1.5	400	2.5	-	70	5	-40	110	3750
KLM3024	4.4x4.1x2	1.5	400	2.5	-	70	3	-40	110	3750
KLM3052	4.4x4.1x2	1.5	600	2.5	-	70	10	-40	110	3750
KLM3053	4.4x4.1x2	1.5	600	2.5	-	70	5	-40	110	3750
KLM3054	4.4x4.1x2	1.5	600	2.5	-	70	3	-40	110	3750

可控硅光耦
Photo Triac Coupler (随机相位Random-Phase)

DIP4/SMD4

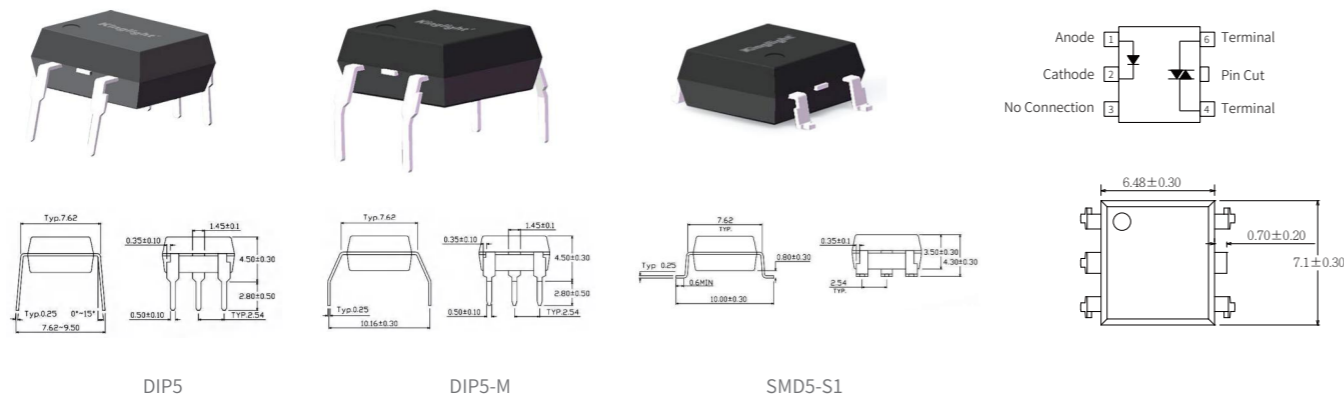


PN Series	Size (LxWxHmm)	V _F (V)	V _{DRM} (Max) (V)	V _{TM} (V)	V _{INH} (V)	I _{T(rms)} (mA)	I _{FT} (mA)	Topr (Min) (°C)	Topr (Max) (°C)	V _{ISO} (Vrms)
KLT3021	6.5x4.58x3.5	1.5	400	2.5	-	70	15	-55	100	5000
KLT3022	6.5x4.58x3.5	1.5	400	2.5	-	70	10	-55	100	5000
KLT3023	6.5x4.58x3.5	1.5	400	2.5	-	70	5	-55	100	5000
KLT3051	6.5x4.58x3.5	1.5	600	2.5	-	70	15	-55	100	5000
KLT3052	6.5x4.58x3.5	1.5	600	2.5	-	70	10	-55	100	5000
KLT3053	6.5x4.58x3.5	1.5	600	2.5	-	70	5	-55	100	5000

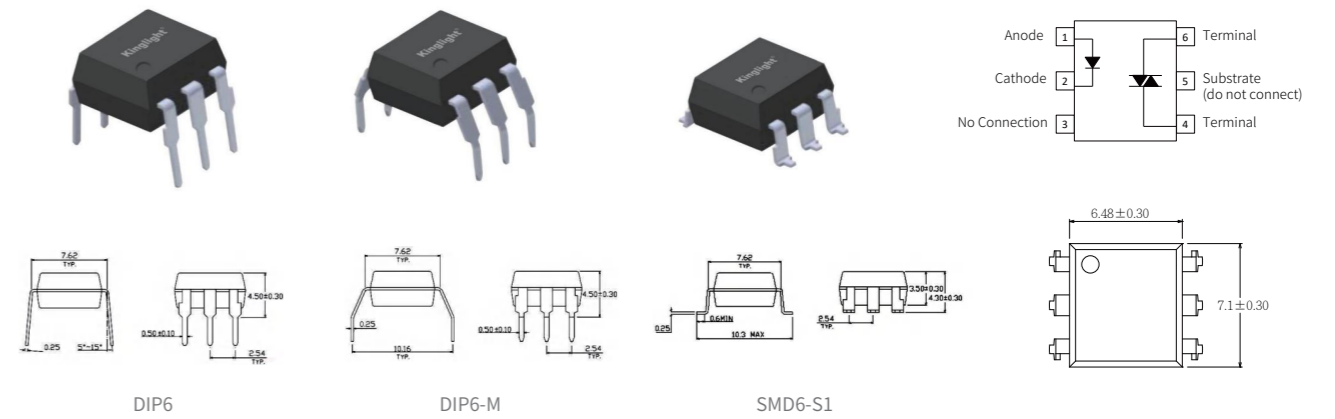
可控硅光耦
Photo Triac Coupler (随机相位Random-Phase)

可控硅光耦
Photo Triac Coupler (随机相位Random-Phase)

DIP5/SMD5



DIP6/SMD6

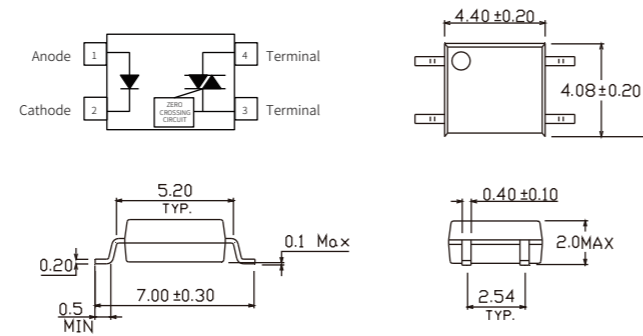


PN Series	Size (LxWxHmm)	V_F (V)	V_{DRM} (Max) (V)	V_{TM} (V)	V_{INH} (V)	I_T (rms) (mA)	I_{FT} (mA)	Topr (Min) (°C)	Topr (Max) (°C)	V_{ISO} (Vrms)
KL3010-P5	7.12x6.5x3.5	1.5	250	2.5	-	100	15	-55	100	5000
KL3011-P5	7.12x6.5x3.5	1.5	250	2.5	-	100	10	-55	100	5000
KL3012-P5	7.12x6.5x3.5	1.5	250	2.5	-	100	5	-55	100	5000
KL3021-P5	7.12x6.5x3.5	1.5	400	2.5	-	100	15	-55	100	5000
KL3022-P5	7.12x6.5x3.5	1.5	400	2.5	-	100	10	-55	100	5000
KL3023-P5	7.12x6.5x3.5	1.5	400	2.5	-	100	5	-55	100	5000
KL3051-P5	7.12x6.5x3.5	1.5	600	2.5	-	100	15	-55	100	5000
KL3052-P5	7.12x6.5x3.5	1.5	600	2.5	-	100	10	-55	100	5000
KL3053-P5	7.12x6.5x3.5	1.5	600	2.5	-	100	5	-55	100	5000

PN Series	Size (LxWxHmm)	V_F (V)	V_{DRM} (Max) (V)	V_{TM} (V)	V_{INH} (V)	I_T (rms) (mA)	I_{FT} (mA)	Topr (Min) (°C)	Topr (Max) (°C)	V_{ISO} (Vrms)
KL3010	7.12x6.5x3.5	1.5	250	2.5	-	100	15	-55	100	5000
KL3011	7.12x6.5x3.5	1.5	250	2.5	-	100	10	-55	100	5000
KL3012	7.12x6.5x3.5	1.5	250	2.5	-	100	5	-55	100	5000
KL3020	7.12x6.5x3.5	1.5	400	2.5	-	100	30	-55	100	5000
KL3021	7.12x6.5x3.5	1.5	400	2.5	-	100	15	-55	100	5000
KL3022	7.12x6.5x3.5	1.5	400	2.5	-	100	10	-55	100	5000
KL3023	7.12x6.5x3.5	1.5	400	2.5	-	100	5	-55	100	5000
KL3051	7.12x6.5x3.5	1.5	600	2.5	-	100	15	-55	100	5000
KL3052	7.12x6.5x3.5	1.5	600	2.5	-	100	10	-55	100	5000
KL3053	7.12x6.5x3.5	1.5	600	2.5	-	100	5	-55	100	5000

可控硅光耦
Photo Triac Coupler (零交叉Zero-Cross)

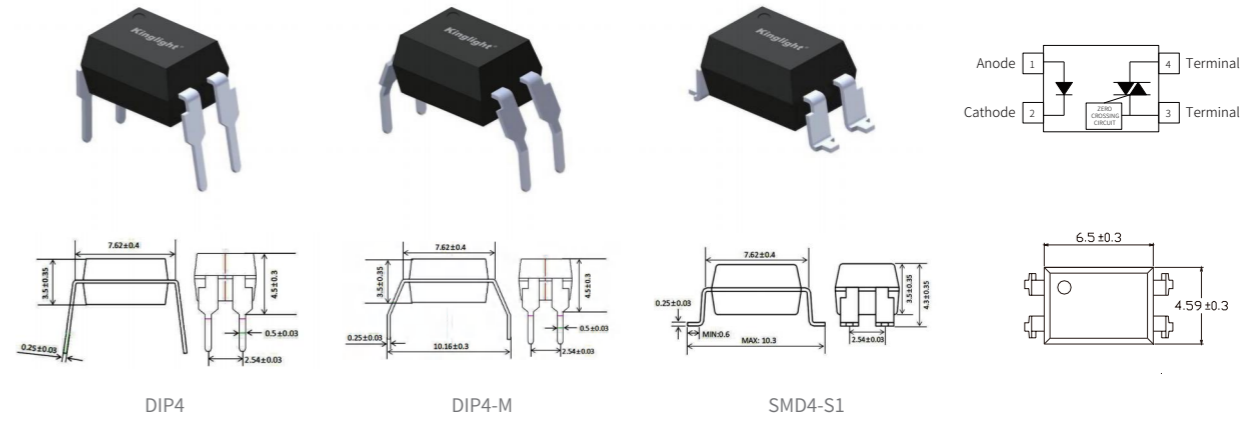
SOP4



PN Series	Size (LxWxHmm)	V _F (V)	V _{DRM} (Max) (V)	V _{TM} (V)	V _{INH} (V)	I _T (rms) (mA)	I _{FT} (mA)	To _{pr} (Min) (°C)	To _{pr} (Max) (°C)	V _{iso} (Vrms)
KLM3042	4.4x4.1x2	1.5	400	3	20	70	10	-40	110	3750
KLM3043	4.4x4.1x2	1.5	400	3	20	70	5	-40	110	3750
KLM3044	4.4x4.1x2	1.5	400	3	20	70	3	-40	110	3750
KLM3062	4.4x4.1x2	1.5	600	3	20	70	10	-40	110	3750
KLM3063	4.4x4.1x2	1.5	600	3	20	70	5	-40	110	3750
KLM3064	4.4x4.1x2	1.5	600	3	20	70	3	-40	110	3750
KLM3082	4.4x4.1x2	1.5	800	3	20	70	10	-40	110	3750
KLM3083	4.4x4.1x2	1.5	800	3	20	70	5	-40	110	3750
KLM3084	4.4x4.1x2	1.5	800	3	20	70	3	-40	110	3750

可控硅光耦
Photo Triac Coupler (零交叉Zero-Cross)

DIP4/SMD4

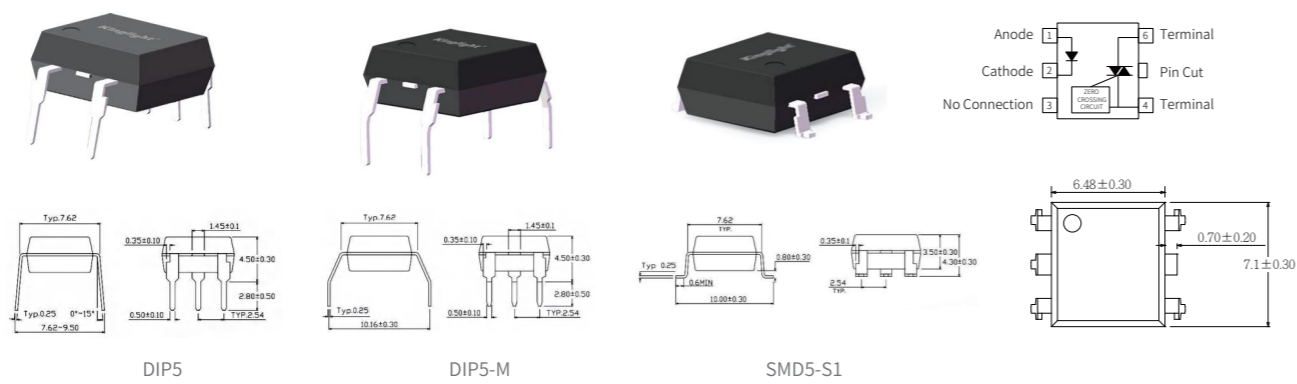


PN Series	Size (LxWxHmm)	V _F (V)	V _{DRM} (Max) (V)	V _{TM} (V)	V _{INH} (V)	I _T (rms) (mA)	I _{FT} (mA)	To _{pr} (Min) (°C)	To _{pr} (Max) (°C)	V _{iso} (Vrms)
KLT3041	6.5x4.58x3.5	1.5	400	3	20	70	15	-55	100	5000
KLT3042	6.5x4.58x3.5	1.5	400	3	20	70	10	-55	100	5000
KLT3043	6.5x4.58x3.5	1.5	400	3	20	70	5	-55	100	5000
KLT3061	6.5x4.58x3.5	1.5	600	3	20	70	15	-55	100	5000
KLT3062	6.5x4.58x3.5	1.5	600	3	20	70	10	-55	100	5000
KLT3063	6.5x4.58x3.5	1.5	600	3	20	70	5	-55	100	5000
KLT3081	6.5x4.58x3.5	1.5	800	3	20	70	15	-55	100	5000
KLT3082	6.5x4.58x3.5	1.5	800	3	20	70	10	-55	100	5000
KLT3083	6.5x4.58x3.5	1.5	800	3	20	70	5	-55	100	5000

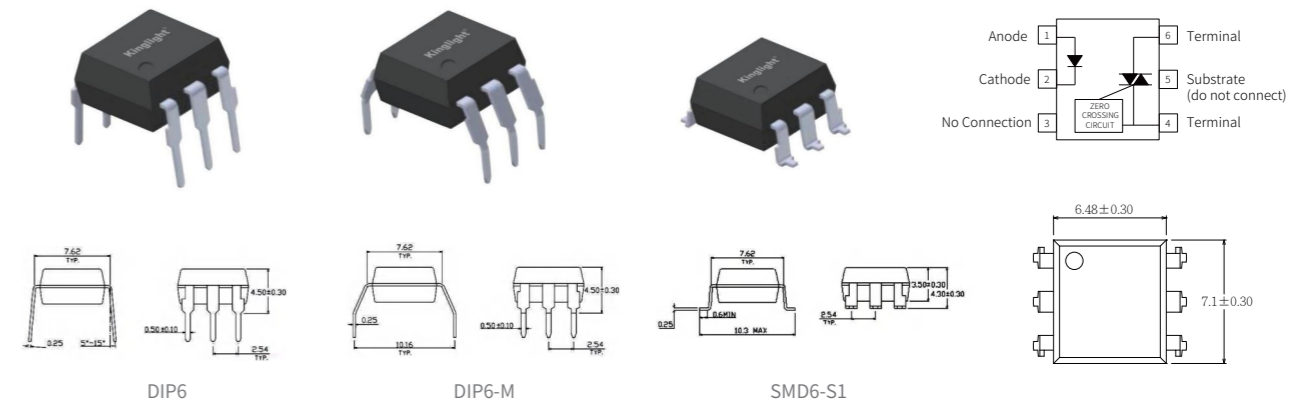
可控硅光耦
Photo Triac Coupler (零交叉Zero-Cross)

可控硅光耦
Photo Triac Coupler (零交叉Zero-Cross)

DIP5/SMD5



DIP6/SMD6

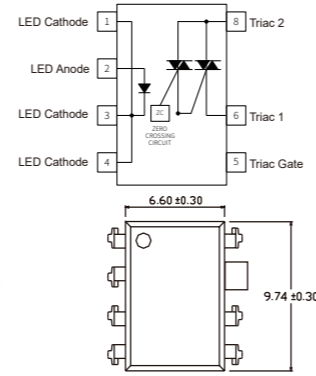
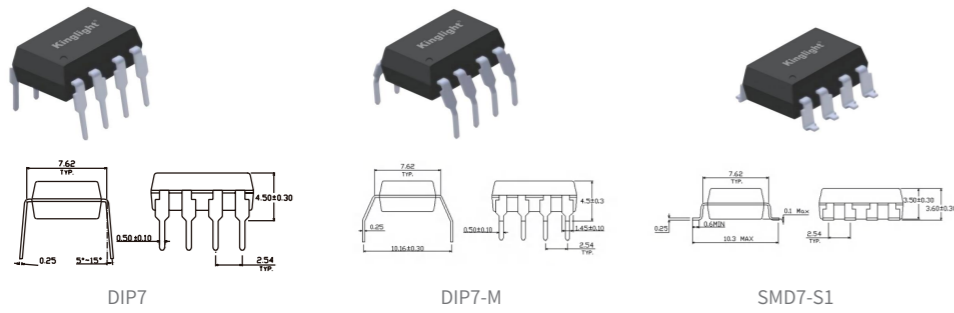


PN Series	Size (LxWxHmm)	V _F (V)	V _{DRM} (Max) (V)	V _{TM} (V)	V _{INH} (V)	I _{T(rms)} (mA)	I _{FT} (mA)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL3031-P5	7.12x6.5x3.5	1.5	250	3	20	100	15	-55	100	5000
KL3032-P5	7.12x6.5x3.5	1.5	250	3	20	100	10	-55	100	5000
KL3033-P5	7.12x6.5x3.5	1.5	250	3	20	100	5	-55	100	5000
KL3041-P5	7.12x6.5x3.5	1.5	400	3	20	100	15	-55	100	5000
KL3042-P5	7.12x6.5x3.5	1.5	400	3	20	100	10	-55	100	5000
KL3043-P5	7.12x6.5x3.5	1.5	400	3	20	100	5	-55	100	5000
KL3061-P5	7.12x6.5x3.5	1.5	600	3	20	100	15	-55	100	5000
KL3062-P5	7.12x6.5x3.5	1.5	600	3	20	100	10	-55	100	5000
KL3063-P5	7.12x6.5x3.5	1.5	600	3	20	100	5	-55	100	5000
KL3081-P5	7.12x6.5x3.5	1.5	800	3	20	100	15	-55	100	5000
KL3082-P5	7.12x6.5x3.5	1.5	800	3	20	100	10	-55	100	5000
KL3083-P5	7.12x6.5x3.5	1.5	800	3	20	100	5	-55	100	5000

PN Series	Size (LxWxHmm)	V _F (V)	V _{DRM} (Max) (V)	V _{TM} (V)	V _{INH} (V)	I _{T(rms)} (mA)	I _{FT} (mA)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL3031	7.12x6.5x3.5	1.5	250	3	20	100	15	-55	100	5000
KL3032	7.12x6.5x3.5	1.5	250	3	20	100	10	-55	100	5000
KL3033	7.12x6.5x3.5	1.5	250	3	20	100	5	-55	100	5000
KL3041	7.12x6.5x3.5	1.5	400	3	20	100	15	-55	100	5000
KL3042	7.12x6.5x3.5	1.5	400	3	20	100	10	-55	100	5000
KL3043	7.12x6.5x3.5	1.5	400	3	20	100	5	-55	100	5000
KL3061	7.12x6.5x3.5	1.5	600	3	20	100	15	-55	100	5000
KL3062	7.12x6.5x3.5	1.5	600	3	20	100	10	-55	100	5000
KL3063	7.12x6.5x3.5	1.5	600	3	20	100	5	-55	100	5000
KL3081	7.12x6.5x3.5	1.5	800	3	20	100	15	-55	100	5000
KL3082	7.12x6.5x3.5	1.5	800	3	20	100	10	-55	100	5000
KL3083	7.12x6.5x3.5	1.5	800	3	20	100	5	-55	100	5000

可控硅光耦
Photo Triac Coupler (零交叉Zero-Cross)

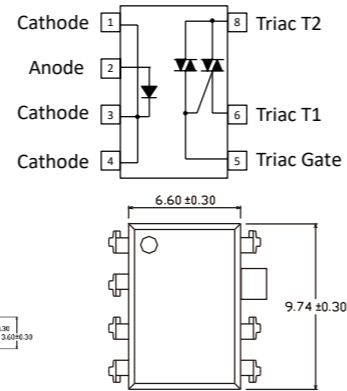
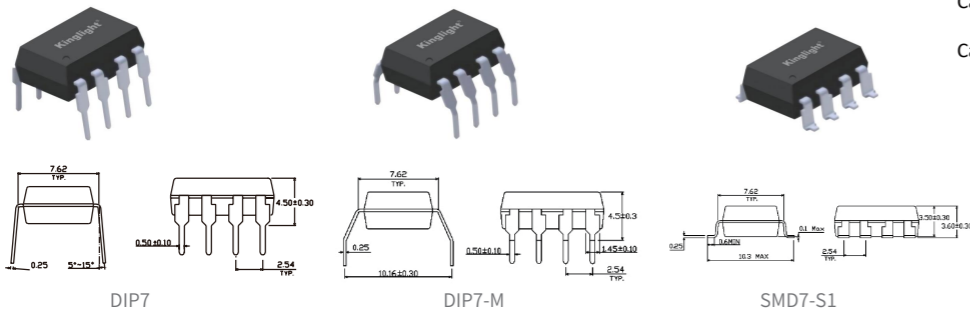
DIP7



Product	Size (LxWxHmm)	Number of Channels	V _F (V)	V _{DRM} (Max) (V)	V _{TM} (V)	V _{INH} (V)	I _T (rms) (mA)	I _{FT} (mA)	To _{pr} (Min) (°C)	To _{pr} (Max) (°C)	V _{iso} (Vrms)
KLR0213	9.74x6.5x3.5	1	1.4	600	2.5	20	300	10	-40	85	5000
KLR1213	9.74x6.5x3.5	1	1.4	600	2.5	20	600	10	-40	85	5000
KLR2213	9.74x6.5x3.5	1	1.4	600	2.5	20	900	10	-40	85	5000
KLR3213	9.74x6.5x3.5	1	1.4	600	2.5	20	1200	10	-40	85	5000

可控硅光耦
Photo Triac Coupler (大功率High Power)

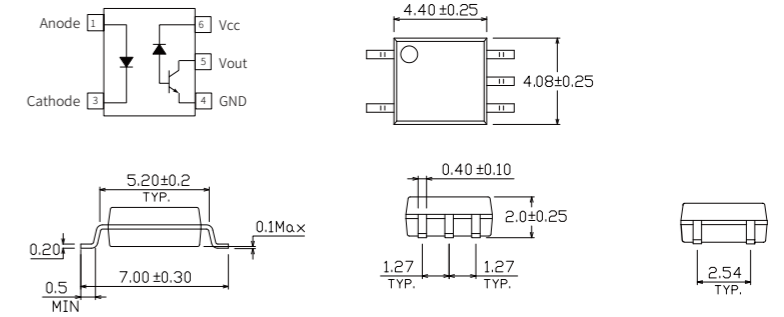
DIP7



Product	Size (LxWxHmm)	Number of Channels	V _F (V)	V _{DRM} (Max) (V)	V _{TM} (V)	V _{INH} (V)	I _T (rms) (mA)	I _{FT} (mA)	To _{pr} (Min) (°C)	To _{pr} (Max) (°C)	V _{iso} (Vrms)
KLR0223	9.74x6.5x3.5	1	1.4	600	2.5	-	300	10	-40	85	5000
KLR1223	9.74x6.5x3.5	1	1.4	600	2.5	-	600	10	-40	85	5000
KLR2223	9.74x6.5x3.5	1	1.4	600	2.5	-	900	10	-40	85	5000
KLR3223	9.74x6.5x3.5	1	1.4	600	2.5	-	1200	10	-40	85	5000

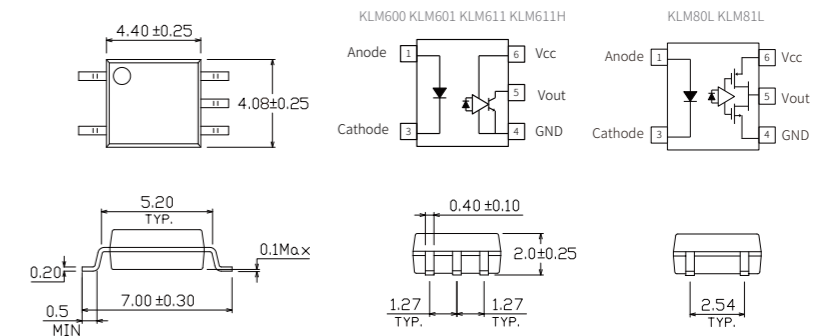
高速光耦
High Speed Optocoupler

SOP5



PN Series	Size (LxWxHmm)	Data Transfer Rate (Mbps)	Supply Voltage (V)	t _{PHL} (ns)	t _{PLH} (ns)	I _{FT} (mA)	CTR (%)	CMR (V/us)	I _o (mA)	To _{pr} (Min) (°C)	To _{pr} (Max) (°C)	V _{iso} (Vrms)
KLM452	4.4x4.08x2.0	1	30	40	35	-	20~50	5000	8	-40	85	3750
KLM453	4.4x4.08x2.0	1	30	40	35	-	20~50	15000	8	-40	85	3750
KLM453L	4.4x4.08x2.0	1	30	30	65	-	20~50	15000	8	-40	85	3750
KLM453H	4.4x4.08x2.0	1	30	350	450	-	>20	10000	8	-40	125	3750
KLM456	4.4x4.08x2.0	1	30	150	450	-	220	10000	15	-40	85	3750

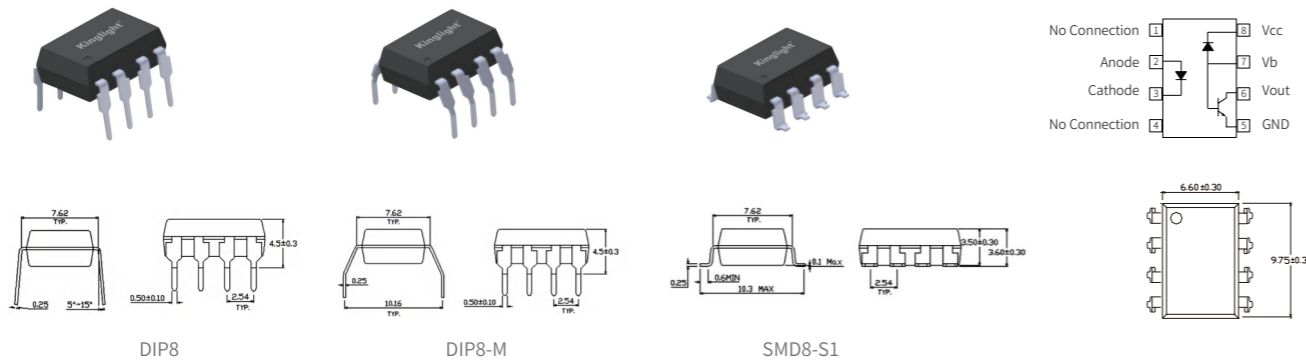
SOP5



PN Series	Size (LxWxHmm)	Data Transfer Rate (Mbps)	Supply Voltage (V)	t _{PHL} (ns)	t _{PLH} (ns)	I _{FT} (mA)	CTR (%)	CMR (V/us)	I _o (mA)	To _{pr} (Min) (°C)	To _{pr} (Max) (°C)	V _{iso} (Vrms)
KLM600	4.4x4.08x2.0	10	7	41	50	5	-	-	50	-40	85	3750
KLM601	4.4x4.08x2.0	10	7	41	50	5	-	5000	50	-40	85	3750
KLM611	4.4x4.08x2.0	10	7	41	50	5	-	20000	50	-40	85	3750
KLM611H	4.4x4.08x2.0	10	7	41	55	5	-	15000	50	-40	125	3750
KLM80L	4.4x4.08x2.0	15	5.5	30	48	5	-	5000	20	-40	85	3750
KLM81L	4.4x4.08x2.0	15	5.5	30	48	5	-	10000	20	-40	85	3750

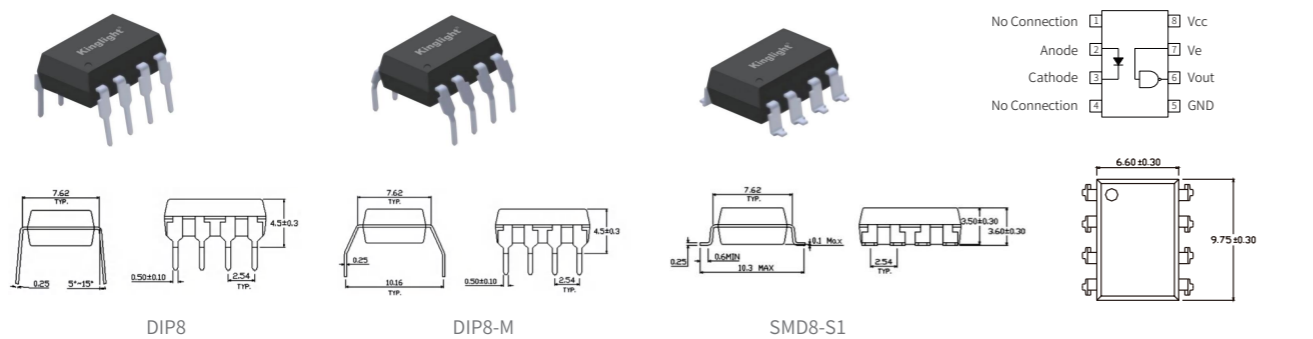
高速光耦
High Speed Optocoupler

DIP8/SMD8



PN Series	Size (LxWxHmm)	Data Transfer Rate (Mbps)	Supply Voltage (V)	tPHL (ns)	tPLH (ns)	I _{FT} (mA)	CTR (%)	CMR (V/us)	I _o (mA)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL6N135	9.75x6.6x3.5	1	30	2000	2000	-	7~50	1000	8	-55	100	5000
KL6N136	9.75x6.6x3.5	1	30	1000	1000	-	19~50	1000	8	-55	100	5000

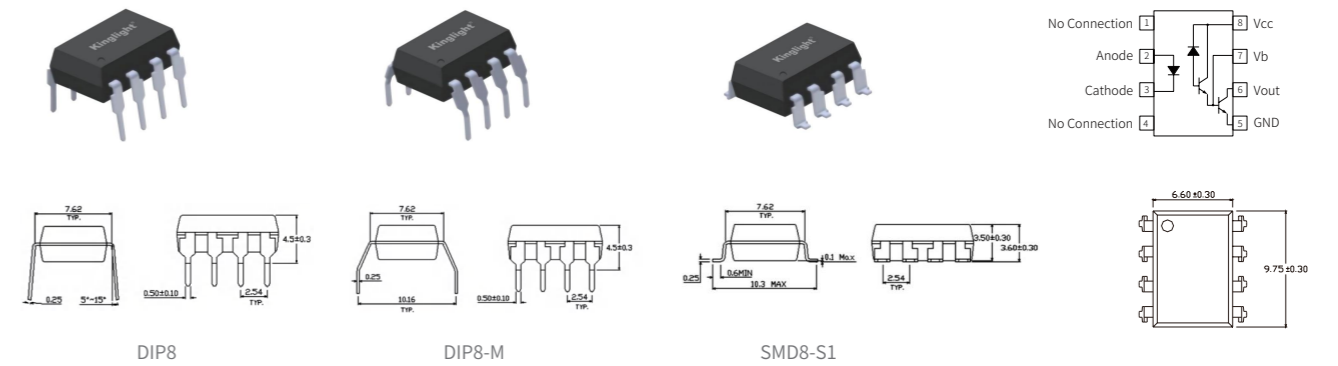
DIP8/SMD8



PN Series	Size (LxWxHmm)	Data Transfer Rate (Mbps)	Supply Voltage (V)	tPHL (ns)	tPLH (ns)	I _{FT} (mA)	CTR (%)	CMR (V/us)	I _o (mA)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL6N137	9.75x6.6x3.5	10	7	75	75	5	-	-	50	-40	85	5000

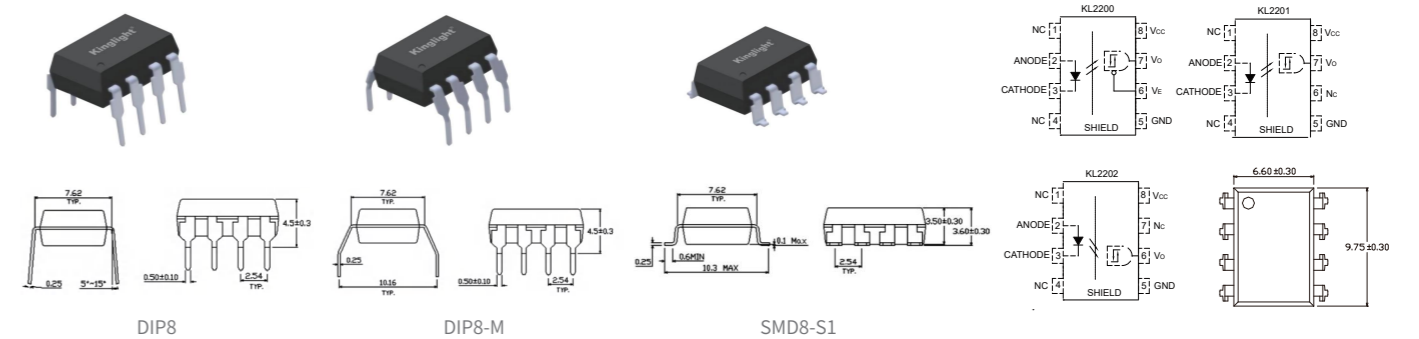
高速光耦
High Speed Optocoupler

DIP8/SMD8



PN Series	Size (LxWxHmm)	Data Transfer Rate (Mbps)	Supply Voltage (V)	tPHL (ns)	tPLH (ns)	I _{FT} (mA)	CTR (%)	CMR (V/us)	I _o (mA)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL6N138	9.75x6.6x3.5	0.3	7	15000	50000	-	>300	1000	60	-40	85	5000
KL6N139	9.75x6.6x3.5	0.3	18	30000	90000	-	>500	1000	60	-40	85	5000

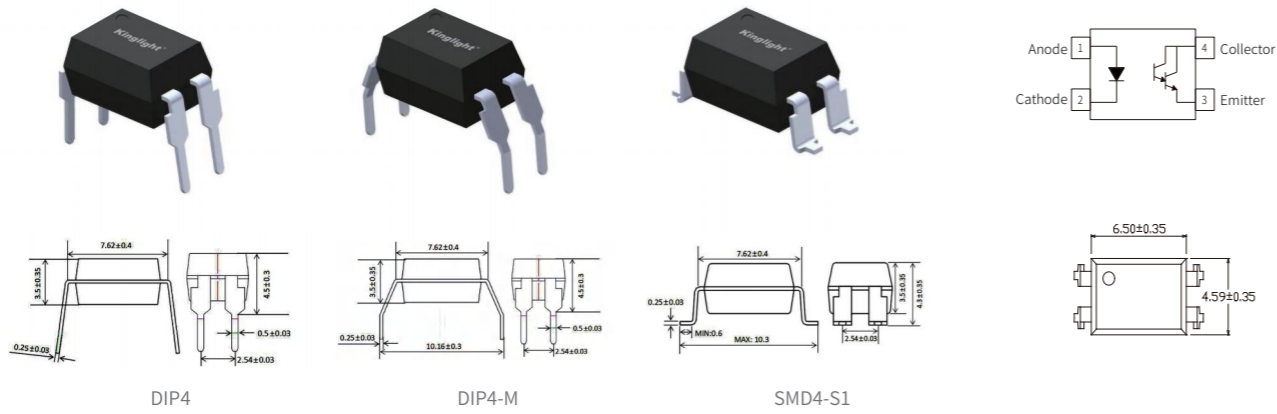
DIP8/SMD8



PN Series	Size (LxWxHmm)	Data Transfer Rate (Mbps)	Supply Voltage (V)	tPHL (ns)	tPLH (ns)	I _{FT} (mA)	CTR (%)	CMR (V/us)	I _o (mA)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL2200	9.75x6.6x3.5	5	20	300	300	1.6	-	1000	25	-40	85	5000
KL2201	9.75x6.6x3.5	5	20	300	300	1.6	-	1000	25	-40	85	5000
KL2202	9.75x6.6x3.5	5	20	300	300	1.6	-	1000	25	-40	85	5000

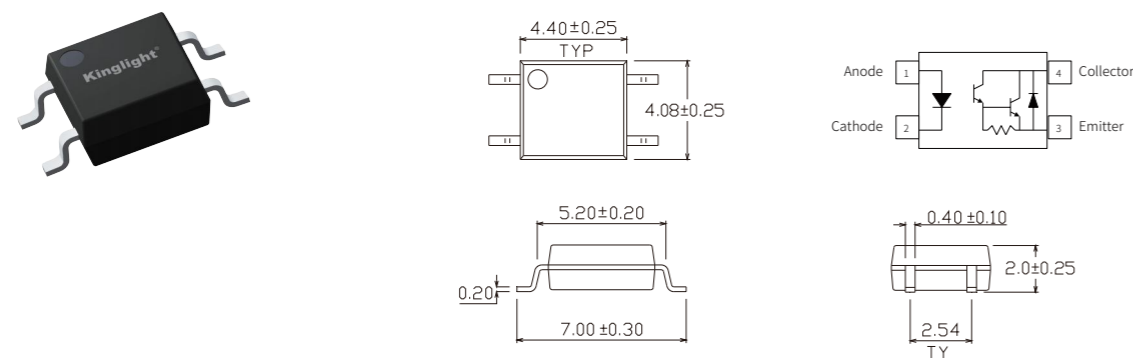
达林顿光耦
Photo Darlington Coupler

DIP4/SMD4



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{on} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL815	6.5x4.59x3.5	1.2	35	1	1	600~7500	60	53	-	-	-55	110	5000
KL852	6.5x4.59x3.5	1.2	350	1.2	1	1000~15000	300	100	-	-	-55	100	5000

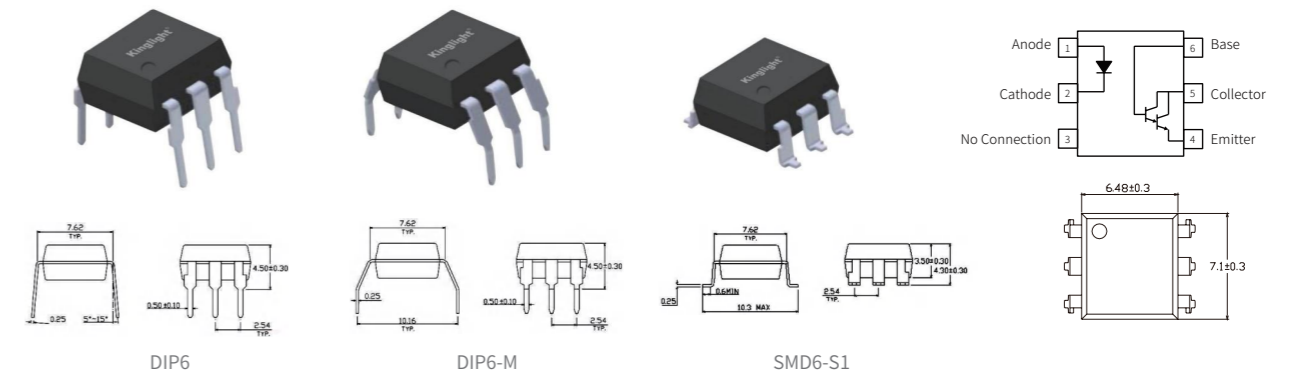
SOP4



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{on} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL452	4.4x4.08x2.0	1.2	350	1.5	1	>1000	80	10	-	-	-55	110	3750

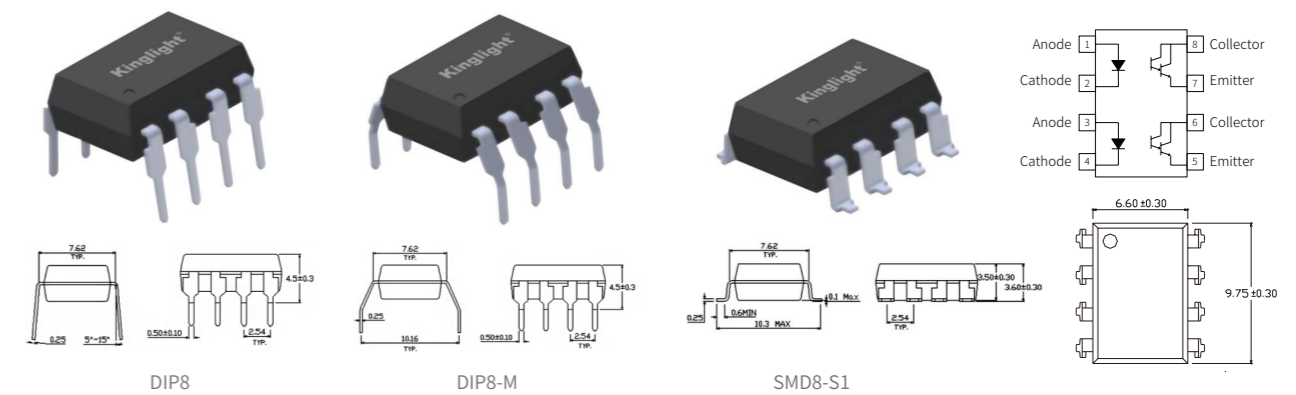
达林顿光耦
Photo Darlington Coupler

DIP6/SMD6



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{on} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL4N29	7.1x6.48x3.5	1.2	55	1	10	>100	-	-	5	40	-55	100	5000
KL4N30	7.1x6.48x3.5	1.2	55	1	10	>100	-	-	5	40	-55	100	5000
KL4N31	7.1x6.48x3.5	1.2	55	1.2	10	>50	-	-	5	40	-55	100	5000
KL4N32	7.1x6.48x3.5	1.2	55	1	10	>500	-	-	5	100	-55	100	5000
KL4N33	7.1x6.48x3.5	1.2	55	1	10	>500	-	-	5	100	-55	100	5000

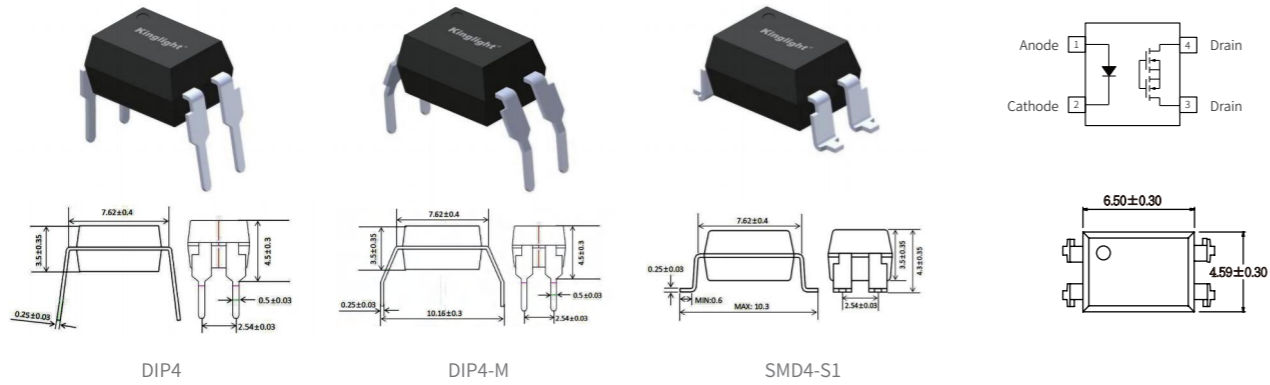
DIP8/SMD8



PN Series	Size (LxWxHmm)	V _F (V)	BV _{CEO} (Min) (V)	V _{CE(SAT)} (Max) (V)	I _F (mA)	CTR (%)	t _r (us)	t _f (us)	t _{on} (us)	t _{off} (us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL825	9.75x6.6x3.5	1.2	40	1	1	600~7500	60	53	-	-	-55	110	5000

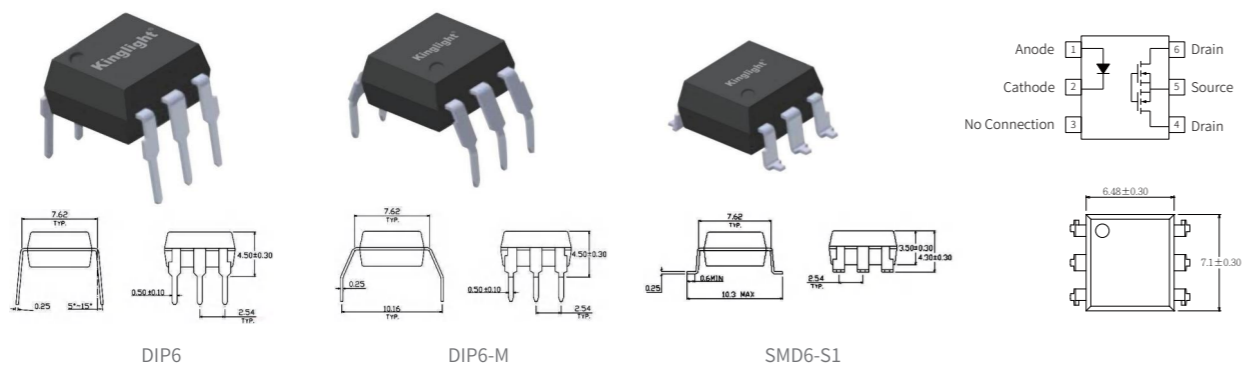
固态继电器
Solid State Relay

DIP4/SMD4



PN Series	Size (LxWxHmm)	Load Voltage (V)	Load Current (mA)	R _{ON} (typ)(Ω)	I _{F-on} (Max) (mA)	To _{pr} (Min) (°C)	To _{pr} (Max) (°C)	V _{iso} (Vrms)
KL406A	6.5x4.59x3.5	60	550	2.5	5	-40	85	5000
KL425A	6.5x4.59x3.5	250	150	15	5	-40	85	5000
KL440A	6.5x4.59x3.5	400	120	30	5	-40	85	5000
KL460A	6.5x4.59x3.5	600	50	70	5	-40	85	5000

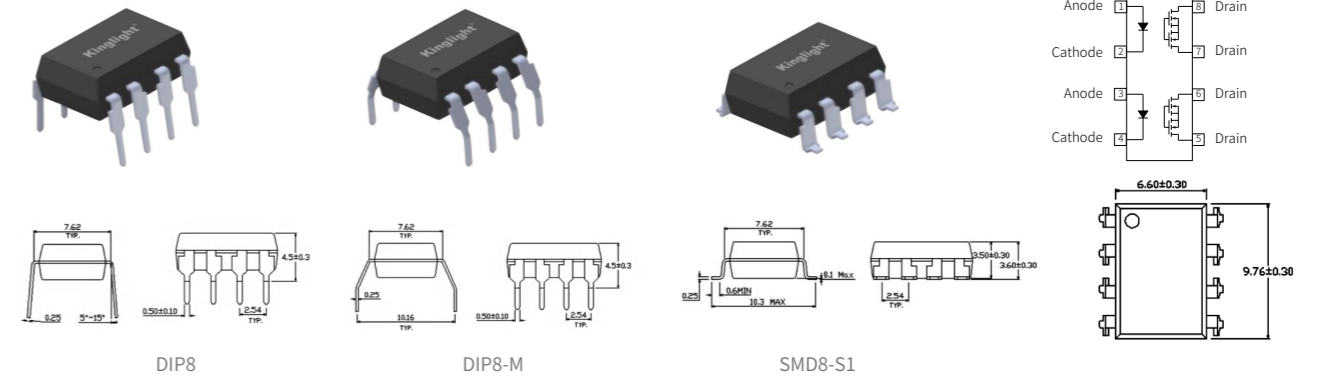
DIP6/SMD6



PN Series	Size (LxWxHmm)	Load Voltage (V)	Load Current (mA)	R _{ON} (typ)(Ω)	I _{F-on} (Max) (mA)	To _{pr} (Min) (°C)	To _{pr} (Max) (°C)	V _{iso} (Vrms)
KL606A	7.1x6.48x3.5	60	550	2.5	3	-40	85	5000
KL625A	7.1x6.48x3.5	250	150	15	3	-40	85	5000
KL640A	7.1x6.48x3.5	400	120	30	3	-40	85	5000
KL660A	7.1x6.48x3.5	600	50	70	3	-40	85	5000
KL606A3	7.1x6.48x3.5	600	2500	0.2	3	-40	85	5000

固态继电器
Solid State Relay

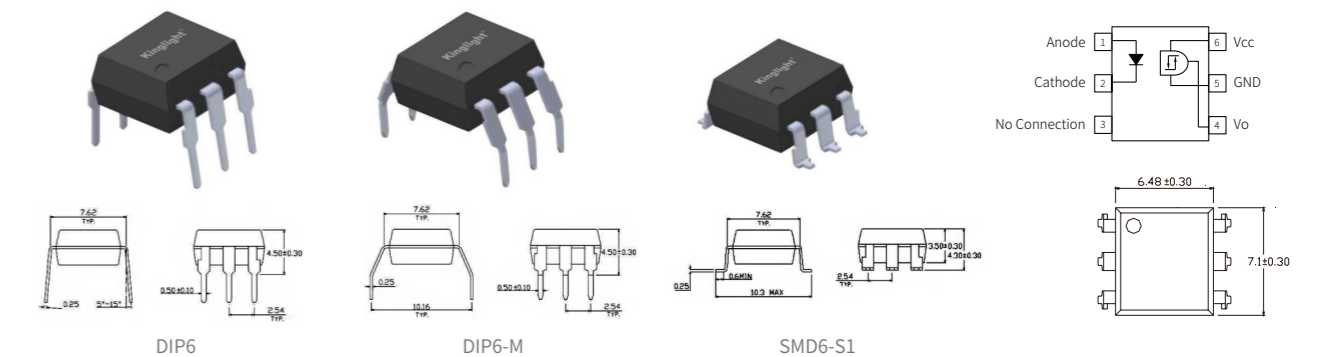
DIP8/SMD8



PN Series	Size (LxWxHmm)	Load Voltage (V)	Load Current (mA)	R _{ON} (typ)(Ω)	I _{F-on} (Max) (mA)	To _{pr} (Min) (°C)	To _{pr} (Max) (°C)	V _{iso} (Vrms)
KL840A	9.75x6.6x3.5	400	120	30	5	-40	85	5000
KL860A	9.75x6.6x3.5	600	50	70	5	-40	85	5000

施密特触发器
Schmitt Trigger

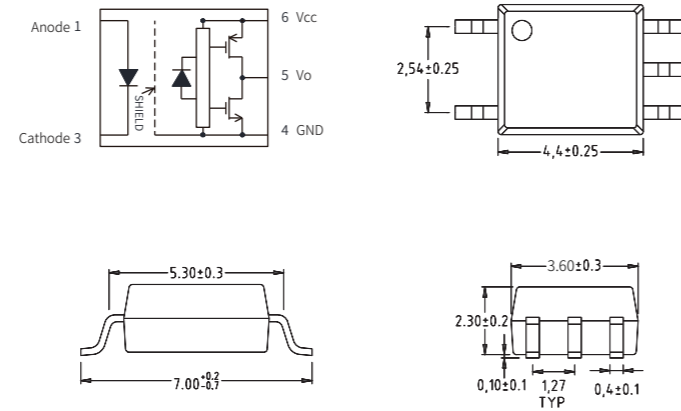
DIP6



PN Series	Size (LxWxHmm)	Data Transfer Rate (Mbps)	Supply Voltage (V)	t _r (uS)	t _f (uS)	I _{Fon} (mA)	To _{pr} (Min) (°C)	To _{pr} (Max) (°C)	V _{iso} (Vrms)
KLH11L1	7.1x6.48x3.5	1	3~16	0.1	0.1	1.6	-55	100	5000
KLH11L2	7.1x6.48x3.5	1	3~16	0.1	0.1	10	-55	100	5000
KLH11L3	7.1x6.48x3.5	1	3~16	0.1	0.1	5	-55	100	5000

IGBT驱动光耦
IGBT Driver Optocoupler

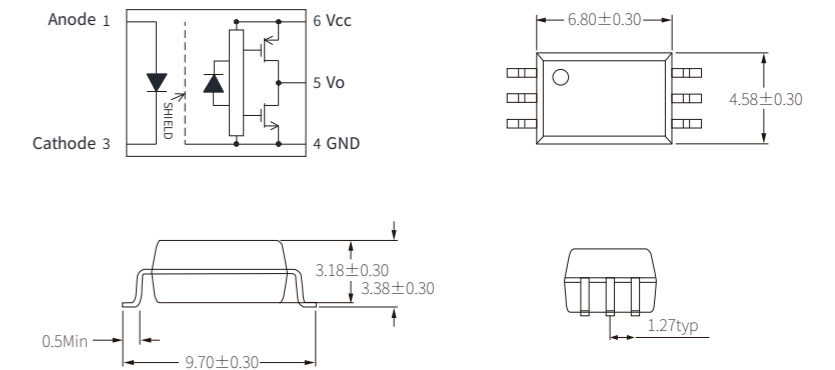
SOP5



PN Series	Size (LxWxHmm)	IFLH (Max) (mA)	VCC (Min) (V)	VCC (Max) (V)	tPHL (ns)	tPLH (ns)	Output Current (A)	CMR (V/us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL155E	4.4x3.6x2.3	5	15	30	300	300	2.5	25000	-40	110	5000

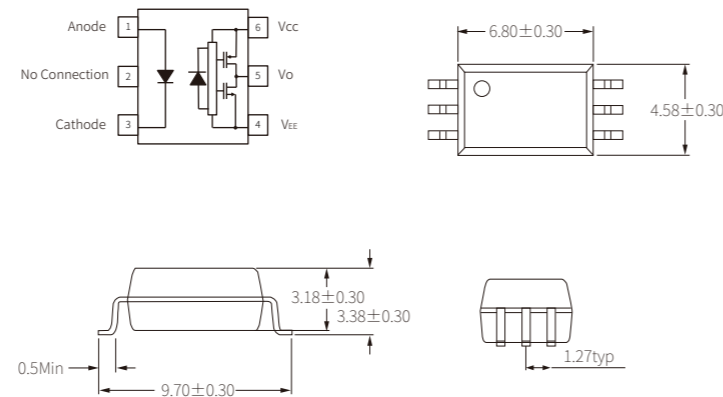
IGBT驱动光耦
IGBT Driver Optocoupler

LSOP6



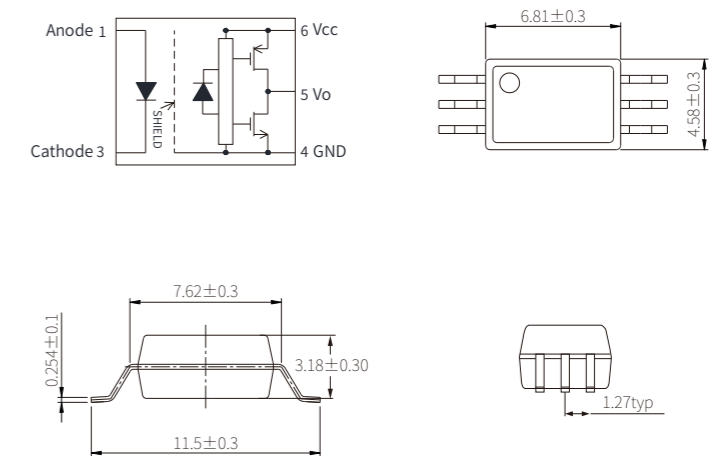
PN Series	Size (LxWxHmm)	IFLH (Max) (mA)	VCC (Min) (V)	VCC (Max) (V)	tPHL (ns)	tPLH (ns)	Output Current (A)	CMR (V/us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL340P	6.8x4.58x3.18	5	15	30	200	200	1	20000	-40	105	5000
KL341P	6.8x4.58x3.18	5	15	30	200	200	3	20000	-40	105	5000

LSOP6



PN Series	Size (LxWxHmm)	IFLH (Max) (mA)	VCC (Min) (V)	VCC (Max) (V)	tPHL (ns)	tPLH (ns)	Output Current (A)	CMR (V/us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KLS3120	6.8x4.58x3.18	5	15	30	300	300	2.5	25000	-40	110	5000
KLS3150	6.8x4.58x3.18	5	15	30	400	400	1	15000	-40	110	5000

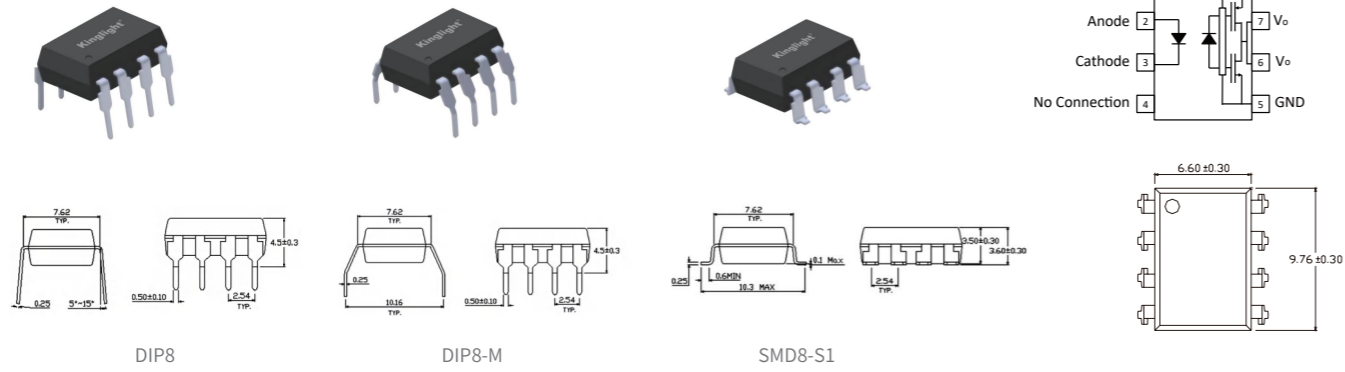
LSOP6



PN Series	Size (LxWxHmm)	IFLH (Max) (mA)	VCC (Min) (V)	VCC (Max) (V)	tPHL (ns)	tPLH (ns)	Output Current (A)	CMR (V/us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL340W	6.8x4.58x3.18	5	15	30	200	200	1	20000	-40	105	5000
KL341W	6.8x4.58x3.18	5	15	30	200	200	3	20000	-40	105	5000

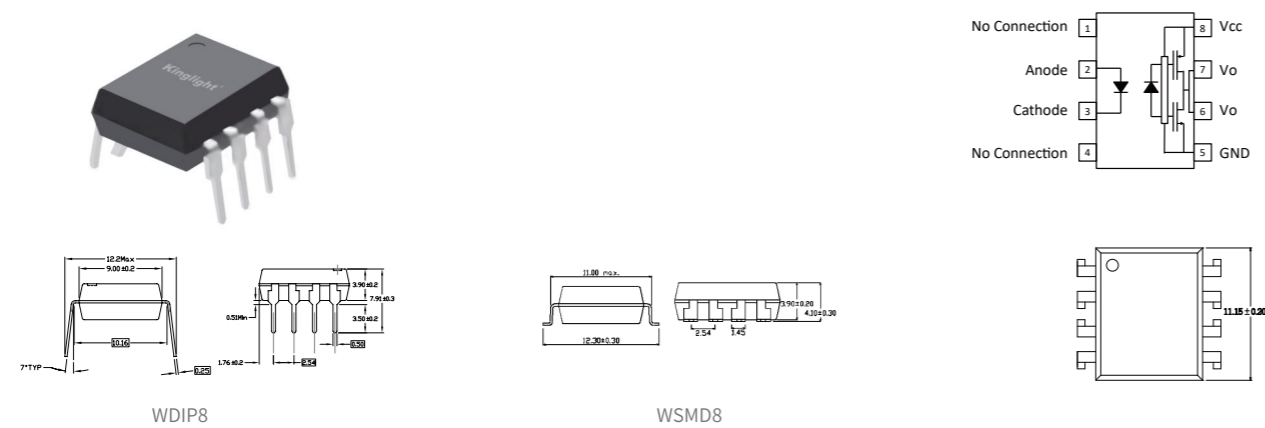
IGBT驱动光耦
IGBT Driver Optocoupler

DIP8/SMD8



PN Series	Size (LxWxHmm)	IFLH (Max) (mA)	VCC (Min) (V)	VCC (Max) (V)	tPHL (ns)	tPLH (ns)	Output Current (A)	CMR (V/us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KL3120	9.76x6.6x3.5	5	15	30	300	300	2.5	25000	-40	110	5000
KL3140	9.76x6.6x3.5	5	15	30	300	300	0.6	25000	-40	110	5000
KL3150	9.76x6.6x3.5	5	15	30	300	300	1	25000	-40	110	5000

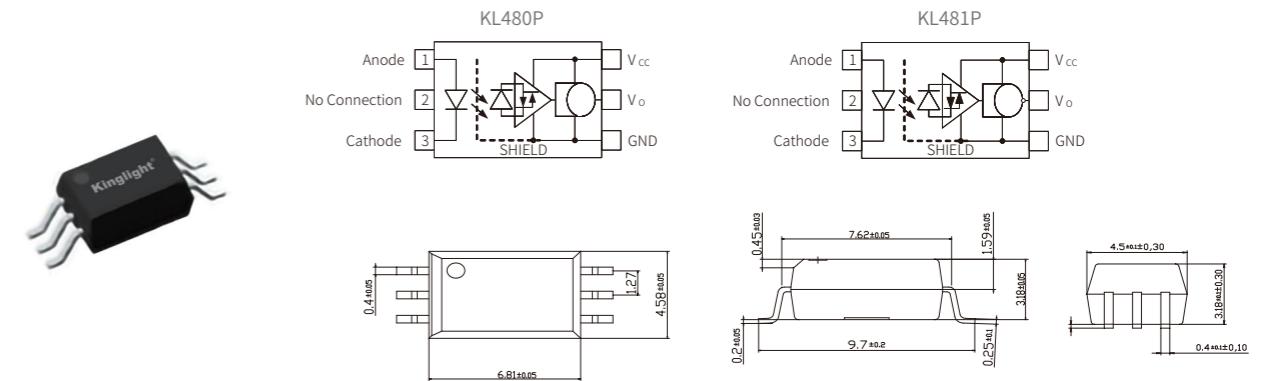
WDIP8/WSMD8



PN Series	Size (LxWxHmm)	IFLH (Max) (mA)	VCC (Min) (V)	VCC (Max) (V)	tPHL (ns)	tPLH (ns)	Output Current (A)	CMR (V/us)	Topr (Min) (°C)	Topr (Max) (°C)	V _{iso} (Vrms)
KLW3120	11.15x9x3.9	5	15	30	300	300	2.5	25000	-40	110	5000

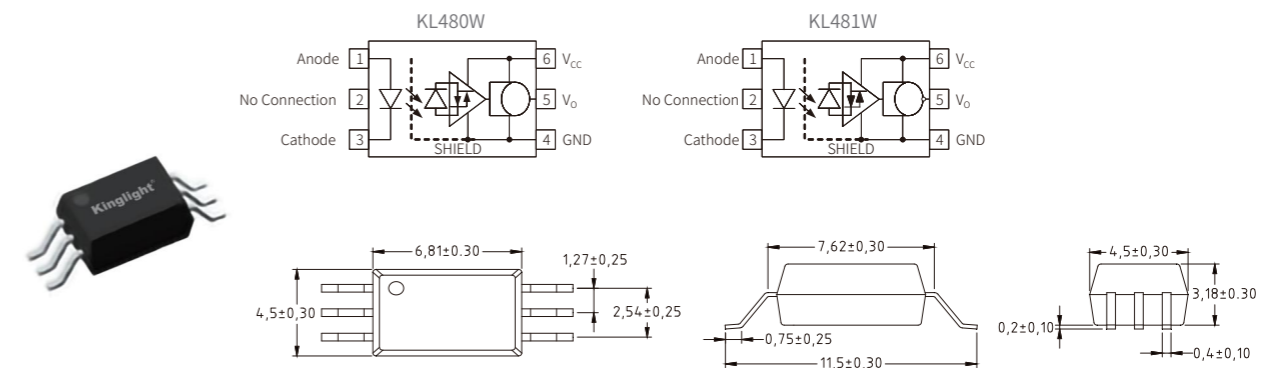
IPM驱动光耦
IPM Driver Optocoupler

LSOP6



PN Series	Size (LxWxHmm)	IFon Min (mA)	CTR			tPHL Max (us)	tPLH Max (us)	PDD Max (us)	CMR Min (V/us)	V _{iso} @1min (Vrms)
			Min (%)	Max (%)	@IF (mA)					
KL480P	6.81x 4.5x3.18	6	-	-	-	0.35	0.35	0.25	20000	5000
KL481P	6.8x4.58x3.18	6	-	-	-	0.35	0.35	0.25	20000	3750

LSOP6



PN Series	Size (LxWxHmm)	IFon Min (mA)	CTR			tPHL Max (us)	tPLH Max (us)	PDD Max (us)	CMR Min (V/us)	V _{iso} @1min (Vrms)
			Min (%)	Max (%)	@IF (mA)					
KL480W	6.81x 4.5x3.18	6	-	-	-	0.35	0.35	0.25	20000	5000
KL481W	6.8x4.58x3.18	6	-	-	-	0.35	0.35	0.25	20000	3750