

Transistor / Darlington Output													
Model Number	Schematic	Absolute Maximum Ratings				Electro-optical Characteristics						Remark	
		IF (mA)	V _{CEO} (V)	IC (mA)	Viso (Vrms)	V _F (V) Max.	CTR%	V _{CE(sat)} (V) Max.	t _r (us) Typ.	t _f (us) Typ.	Series Product	Description	
K1010		50	80	50	5000	1.4	50 ~ 600	IF=5mA V _{ce} =5V	0.2	4	3	KP1020 KP1040	2-Channel 4-Channel
KP1210		50	350	50	5000	1.3	50 ~ 600	IF=5mA V _{ce} =5V	0.4	3	2		
K2010		50	80	50	5000	1.4	60 ~ 600	IF=2mA V _{ce} =5V	0.3	5	4		
KP2110		50	80	50	5000	1.4	60 ~ 600	IF=2mA V _{ce} =5V	0.3	5	4		
KP2210		50	350	50	5000	1.3	50 ~ 600	IF=5mA V _{ce} =5V	0.4	3	2		
K3010		± 50	80	50	5000	1.4	60 ~ 600	IF=±1mA V _{ce} =5V	0.3	5	4	KP3020 KP3040	2-Channel 4-Channel
KP4010		50	300	150	5000	1.4	600 ~ 9000	IF=1mA V _{ce} =2V	1.5	60	50	KP4020 KP4040	2-Channel 4-Channel
KP5010		50	300	150	5000	1.4	600 ~ 9000	IF=1mA V _{ce} =2V	1.5	60	50		
KP6010		± 50	80	50	5000	1.4	60 ~ 600	IF=±1mA V _{ce} =5V	0.3	5	4		
KPC4N33		50	35	150	5000	1.4	Min.500	IF=1mA V _{ce} =2V	1.5	80	72		
KPC815		50	35	80	5000	1.4	Min.600	IF=1mA V _{ce} =2V	1.5	80	72	KPC825 KPC845	2-Channel 4-Channel

Low Input Current													
Model Number	Schematic	Absolute Maximum Ratings				Electro-optical Characteristics						Remark	
		IF (mA)	V _{CEO} (V)	IC (mA)	Viso (Vrms)	V _F (V) Max.	CTR%	V _{CE(sat)} (V) Max.	t _r (us) Typ.	t _f (us) Typ.	Series Product	Description	
K1010XT		50	80	50	5000	1.4	50 ~ 600	IF=1mA V _{ce} =5V	0.2	4	3		
K1010XW		50	80	50	5000	1.8	50 ~ 600	IF=0.5mA V _{ce} =5V	0.2	4	3		
K1010XZ		50	80	50	5000	1.8	50 ~ 600	IF=0.1mA V _{ce} =5V	0.2	4	3		
KPC357NT0T		50	80	50	3750	1.4	50 ~ 600	IF=1mA V _{ce} =5V	0.2	4	3		
KPC357NT0W		50	80	50	3750	1.8	50 ~ 600	IF=0.5mA V _{ce} =5V	0.2	4	3		
KPC357NT0Z		50	80	50	3750	1.8	50 ~ 600	IF=0.1mA V _{ce} =5V	0.2	4	3		
KPS28010T		50	80	50	3750	1.4	50 ~ 600	IF=1mA V _{ce} =5V	0.2	4	3		
KPS28010W		50	80	50	3750	1.8	50 ~ 600	IF=0.5mA V _{ce} =5V	0.2	4	3		
KPS28010Z		50	80	50	3750	1.8	50 ~ 600	IF=0.1mA V _{ce} =5V	0.2	4	3		
KT101T		50	80	50	5000	1.4	50 ~ 600	IF=1mA V _{CE} =5V	0.2	4	3		
KT101W		50	80	50	5000	1.8	50 ~ 600	IF=0.5mA V _{CE} =5V	0.3	11	11		
KT101Z		50	80	50	5000	1.8	50 ~ 600	IF=0.1mA V _{CE} =5V	0.3	11	11		

IC Output													
Model Number	Schematic	Absolute Maximum Ratings				Electro-optical Characteristics						Remark	
		IF (mA)	V _{CC} (V)	IO (A)	V _{ISO} (Vrms)	ICCL (mA) Typ.	ICCH (mA) Typ.	IFLH (mA) Max.	VFHL (V) Min.	TPHL (us) Typ.	TPLH (us) Typ.	Series Product	Description
KP1510		20	35	2.5	5000	2.5	2.5	5	0.7	0.3	0.3		
KTLP250		20	35	±1.5	5000	7.5	7	5	0.7	0.15	0.15		
KTLP350		20	35	±2.5	5000	2	2	5	0.7	0.26	0.26		

Mini Flat Type													
Model Number	Schematic	Absolute Maximum Ratings				Electro-optical Characteristics						Remark	
		IF (mA)	V _{CEO} (V)	IC (mA)	V _{ISO} (Vrms)	VF (V) Max.	CTR%	VCE(sat) (V) Max.	tr (us) Typ.	tf (us) Typ.	Series Product	Description	
KPC354NT		±50	80	50	3750	1.4	20 ~ 400	IF=±1mA Vce=5V	0.3	4	3		
KPC355NT		50	35	150	3750	1.4	Min.600	IF=1mA Vce=2V	1.0	60	53		
KPC357NT		50	80	50	3750	1.4	50 ~ 600	IF=5mA Vce=5V	0.3	5	4		
KPC452		50	300	150	3750	1.4	Min.1000	IF=1mA Vce=2V	1.5	100	20		

4LSOP Type													
Model Number	Schematic	Absolute Maximum Ratings				Electro-optical Characteristics						Remark	
		IF (mA)	V _{CEO} (V)	IC (mA)	V _{ISO} (Vrms)	VF (V) Max.	CTR%	VCE(sat) (V) Max.	tr (us) Typ.	tf (us) Typ.	Series Product	Description	
KT1000		50	80	50	5000	1.4	50 ~ 600	IF=5mA VCE=5V	0.3	5	4		
KT1200		50	35	150	5000	1.4	Min.200	IF=1mA VCE=2V	1	200	200		
KT1300		±50	35	150	5000	1.4	Min.200	IF=±1mA VCE=2V	1	200	200		
KT1400		50	300	150	5000	1.4	Min.1000	IF=1mA VCE=2V	1.5	100	20		
KT1600		±50	80	50	5000	1.4	50 ~ 300	IF=±5mA VCE=5V	0.3	5	4		
KT1010		50	80	50	5000	1.4	50 ~ 600	IF=5mA VCE=5V	0.3	5	4		
KT1210		50	35	150	5000	1.4	Min.200	IF=1mA VCE=2V	1	200	200		
KT1310		±50	35	150	5000	1.4	Min.200	IF=±1mA VCE=2V	1	200	200		
KT1410		50	300	150	5000	1.4	Min.1000	IF=1mA VCE=2V	1.5	100	20		
KT1610		±50	80	50	5000	1.4	50 ~ 300	IF=±5mA VCE=5V	0.3	5	4		

High Speed Output												
Model Number	Schematic	Absolute Maximum Ratings				Electro-optical Characteristics						Remark
		IF (mA)	Vcc (V)	IO (mA)	Viso (Vrms)	Data Rate	CTR%	CMR (V/uS) Typ.	TPHL (us) Typ.	TPH (us) Typ.	Series Product	Description
KPC6N135		25	15	8	5000	1M	Min.7	IF=16mA Vo=0.4V Vcc=4.5V	1000	0.3	0.4	
KPC6N136		25	15	8	5000	1M	Min.19	IF=16mA Vo=0.4V Vcc=4.5V	1000	0.3	0.3	
KPC6N137		25	7	50	5000	10M	-	-	500	0.045	0.045	
KPC6N138		20	7	60	5000	-	Min.300	IF=1.6mA Vo=0.4V Vcc=4.5V	500	2	7	
KPC6N139		20	18	60	5000	-	Min.500	IF=1.6mA Vo=0.4V Vcc=4.5V	500	5	10	
KPC410		25	7	50	3750	10M	-	-	500	0.045	0.045	
KPC457		25	15	8	3750	1M	Min.19	IF=16mA Vo=0.4V Vcc=4.5V	30K	0.2	0.4	

4SSOP Type												
Model Number	Schematic	Absolute Maximum Ratings				Electro-optical Characteristics						Remark
		IF (mA)	Vceo (V)	IC (mA)	Viso (Vrms)	VF (V) Max.	CTR%	VCE(sat) (V) Max.	tr (us) Typ.	tf (us) Typ.	Series Product	Description
KPS2801		50	80	50	3750	1.4	50 ~ 600	IF=5mA Vce=5V	0.3	3	5	
KPS2802		50	40	90	3750	1.4	Min.200	IF=1mA Vce=2V	1.0	200	200	
KPS2805		±50	80	50	3750	1.4	50 ~ 600	IF=±5mA Vce=5V	0.3	3	5	
KPS2806		±50	40	90	3750	1.4	Min.200	IF=±1mA Vce=2V	1.0	200	200	
KPS2832		50	300	60	3750	1.4	Min.400	IF=1mA Vce=2V	1.0	100	20	

Triac Output												
Model Number	Schematic	Absolute Maximum Ratings			Electro-Optical Characteristics						Remark	
		IF (mA)	VDRM (Vpeak)	VISO (Vrms)	VF (V) Max.	IDRM (nA) Max.	IFT (mA) Max.	VTM (V) Max.	VINH (V) Max.	dv/dt (V/us) Min.	Description	
KMOC3011		50	600	5300	1.4	500	10	3	-	600		
KMOC3012		50	600	5300	1.4	500	10	3	20	600		
KMOC3021		50	400	5300	1.4	100	15	3	-	600		
KMOC3022							10					
KMOC3023							5					
KMOC3041		50	400	5300	1.4	500	15	3	20	600		
KMOC3042							10					
KMOC3043							5					
KMOC3051		50	600	5300	1.4	500	15	3	-	600		
KMOC3052							10					
KMOC3053							5					
KMOC3061		50	600	5300	1.4	500	15	3	20	600		
KMOC3062							10					
KMOC3063							5					
KMOC3081		50	800	5300	1.4	500	15	3	20	600		
KMOC3082							10					
KMOC3083							5					
KTLP160G		50	400	3750	1.4	1000	10	3	-	600		
KTLP160J		50	600	3750	1.4	1000	10	3	-	600		
KTLP165J		50	600	3750	1.4	1000	10	3	-	600		
KTLP260J		50	600	3750	1.4	1000	10	3	-	600		
KTLP161G		50	400	3750	1.4	1000	10	3	20	600		
KTLP161J		50	600	3750	1.4	1000	10	3	20	600		
KTLP166J		50	600	3750	1.4	1000	10	3	50	600		
KTLP168J		50	600	3750	1.4	1000	3	3	50	600		
KTLP161L		50	800	3750	1.4	1000	10	3	50	600		

Power Triac Output												
Model Number	Schematic	Absolute Maximum Ratings			Electro-Optical Characteristics						Remark	
		IF (mA)	VDRM (Vpeak)	IT (Arms)	Viso (Vrms)	VF (V) Max.	IDRM (uA) Max.	IFT (mA) Max.	VTM (V) Max.	VINH (V) Max.	dv/dt (V/us) Typ.	Description
KTLP3502		50	400	0.5	5300	1.4	100	10	3	-	1000	
KTLP3506			600	0.5								
KTLP3616			600	1.2								
KTLP3503		50	400	0.5	5300	1.4	100	10	3	50	1000	
KTLP3507			600	0.5								
KTLP3617			600	1.2								