

Photo Transistor

F7

Classification	Type No.	Package	Transistor Type		Electro-optical Characteristics (Ta=25°C)					VCE MAX (V)	Visible Light Cut-off	Matched IRED
			S	D	I _L MIN (μA)	E (mW/cm ²)	I _D MAX (nA)	V _{CE} (V)	θ _{1/2} (dgs)			
ø5 Package	TPS601A	Metal To-18	○		100	0.1	200	30	±10	40	×	TLN101A
	TPS604		○		60	0.1	200	30	±10	40	×	TLN102
	TPS614		○		600	10	200	30	±42	40	×	TLN108 TLN201
	TPS610	Plastic	○		100	0.1	100	24	±8	30	×	TLN105B TLN110
	TPS611		○		30	0.1					○	TLN115A TLN205
ø3 Package	TPS612	Resin stem	○		14	0.1	100	10	±30	20	○	TLN113
	TPS613		○		20	0.1					×	TLN203
	TPS603A		○		6	0.1	100	10	±55	20	×	TLN103A
	TPS615	Plastic	○		20	0.1	100	24	±30	30	×	TLN119
	TPS616		○		10	0.1					○	
Side View Type	TPS607A	Plastic		○	600	0.1	250	16	±15	30	×	TLN107A TLR215A
	TPS608A		○		40	0.1	100	24			×	TLN107A
	TPS617			○	400	0.1	250	16			○	TLN107A
	TPS618		○		27	0.1	100	24			○	TLN107A
	TPS621		○		40	0.1	100	24	±15	30	×	TLN117
	TPS622		○		27		100	24			○	
	TPS625			○	600		250	16			×	
	TPS626			○	400		250	16			○	
Double-End Type	TPS605		○	200	0.01	250	16	±20	30	×	TLN104	
	TPS605(LB)		○	200	0.01	250	16	±20	30	×	TLN104(LB)	
	TPS606	○		10	0.1	100	10	±20	20	×	TLN104	
	TPS606(LB)	○		10	0.1	100	10	±20	20	×	TLN104(LB)	

Note) S: Photo transistor, D: Photo Darlington transistor, I_L: Light current, E: Radiant incidence, I_D: Dark current, V_{CE}: Collector/Emitter voltage, θ_{1/2}: Half Value Angle