

APPLICATIONS:

- Digital Camera
- Cellular Phone

Phototransistors

Type	Model Number	Package	Absolute Maximum Ratings			I _C (mA)		V _{CE} (V)	E _e (mW/cm ²)	I _{CEO} (A) MAX.	V _{CE} (V)	Δθ (deg.) TYP.	λ _p (nm) TYP.	
			V _{CEO} (V)	PC (mW)	Topr (°C)	MIN.	MAX.							
Single	PT380	φ3 resin	35	50	-25 to +85	0.16	1.17	5	100 Ix	1 × 10 ⁻⁷	20	±20	800	
	PT380F ¹		35	50	-25 to +85	0.095	0.9	5	100 Ix	1 × 10 ⁻⁷	20	±20	860	
	PT460	Double-end type	35	50	-25 to +85	0.18	1.2	5	1	1 × 10 ⁻⁷	20	±50	800	
	PT460F ¹		35	50	-25 to +85	0.11	0.9	5	1	1 × 10 ⁻⁷	20	±50	860	
	PT465F ¹		35	50	-25 to +85	0.11	0.5	5	1	1 × 10 ⁻⁷	20	±50	860	
	PT4600		35	50	-25 to +85	0.95	2.8	5	1	1 × 10 ⁻⁷	20	±20	800	
	PT4600F ¹		35	50	-25 to +85	0.55	1.85	5	1	1 × 10 ⁻⁷	20	±20	860	
	PT4650F ¹		35	50	-25 to +85	0.55	1.2	5	1	1 × 10 ⁻⁷	20	±20	860	
	PT600T	Chip-type	35	50	-25 to +85	0.7	3.5 TYP.	5	5	1 × 10 ⁻⁷	20	±60	880	
Two-phase	PT4120	Side view flat type	35	75	-25 to +85	0.45	1.8	5	1,000 Ix	1 × 10 ⁻⁷	20	—	800	
Single	PT480	Resin with lens	35	75	-25 to +85	0.4	1.7 TYP.	5	1	1 × 10 ⁻⁷	20	±13	800	
	PT480F ¹		35	75	-25 to +85	0.25	0.8 TYP.	5	1	1 × 10 ⁻⁷	20	±13	860	
	PT4800		35	75	-25 to +85	0.12	0.4 TYP.	5	1	1 × 10 ⁻⁷	20	±35	800	
	PT4800F ¹		35	75	-25 to +85	0.08	0.25 TYP.	5	1	1 × 10 ⁻⁷	20	±35	860	
	PT4850F ¹		35	75	-25 to +85	0.12	0.56	5	1	1 × 10 ⁻⁷	20	±35	860	
	PT501	TO-18	45	75	-25 to +125	2.5	10 TYP.	5	10	1 × 10 ⁻⁷	30	±6	800	
	PT510		35	75	-25 to +125	2.5	20 TYP.	5	10	1 × 10 ⁻⁷	30	±6	800	
Darlington	PT381	φ3 resin	35	50	-25 to +85	0.12	1.5	10	2 Ix	1 × 10 ⁻⁶	10	±20	800	
	PT381F ¹		35	50	-25 to +85	0.07	1.08	10	2 Ix	1 × 10 ⁻⁶	10	±20	860	
	PT461	Double-end type	35	100	-25 to +85	0.2	1.2	5	0.01	1 × 10 ⁻⁶	10	±50	800	
	PT461F ¹		35	100	-25 to +85	0.14	0.98	5	0.01	1 × 10 ⁻⁶	10	±50	860	
	PT4610		35	100	-25 to +85	0.6	3.05	5	0.01	1 × 10 ⁻⁶	10	±20	800	
	PT4610F ¹		35	100	-25 to +85	0.4	2.0	5	0.01	1 × 10 ⁻⁶	10	±20	860	
	PT4110	Side view flat type	35	75	-25 to +85	4.0	25	5	1	1 × 10 ⁻⁶	10	±70	800	
	PT4110F ¹		35	75	-25 to +85	2.5	19	5	1	1 × 10 ⁻⁶	10	±70	860	
	PT481	Resin with lens	35	75	-25 to +85	1.5	25	2	0.1	1 × 10 ⁻⁶	10	±13	800	
	PT481F ¹		35	75	-25 to +85	0.9	27	2	0.1	1 × 10 ⁻⁶	10	±13	860	
	PT4810		35	75	-25 to +85	0.45	7	2	0.1	1 × 10 ⁻⁶	10	±35	800	
	PT4810F ¹		35	75	-25 to +85	0.27	6	2	0.1	1 × 10 ⁻⁶	10	±35	860	
	PT483F1 ¹		35	75	-25 to +85	1.5	4	2	0.1	1 × 10 ⁻⁶	10	±13	860	
	PT491		35	75	-25 to +85	0.3	1.3	2	2 Ix	1 × 10 ⁻⁶	10	±40	800	
	PT491F ¹		35	75	-25 to +85	0.2	0.8	2	2 Ix	1 × 10 ⁻⁶	10	±40	860	
	PT493		35	75	-25 to +85	0.3	1.3	2	2 Ix	1 × 10 ⁻⁶	10	±40	800	
	PT493F ¹		35	75	-25 to +85	0.2	0.8	2	2 Ix	1 × 10 ⁻⁶	10	±40	860	
	PT495F ¹		35	75	-25 to +85	0.2	0.8	2	2 Ix	1 × 10 ⁻⁶	10	±40	860	
	PT550		TO-18	35	150	-25 to +125	3	20.0	5	0.1	1 × 10 ⁻⁶	10	±6	800
	PT550F ¹			35	150	-25 to +125	3	20.0	5	1	1 × 10 ⁻⁶	10	±50	800
	PT601T		Chip-type	35	50	-25 to +85	0.03	0.07 TYP.	10	0.01	1 × 10 ⁻⁶	10	±60	880

NOTES:

1. Visible light cut-off type.