

T-41-13

T-41-11

TYPE NO.	MATERIAL	FEATURES	ABSOLUTE MAXIMUM RATINGS (Ta=25 °C)			CHARACTERISTICS (Ta=25 °C)				Outline
			Pd(mW)	If(mA)	Tstg(°C)	Vf TYP.(V) (If=30 mA)	I _R TYP.(μA) (V _R =3 V)	λp TYP.(nm) (If=30 mA)	P ₀ TYP.(mW) (If=30 mA)	
SE301A	GaAs	High output High reliability	150	100	-65~ +125	1.2 (If=50 mA)	0.01	940	6 (If=50 mA)	Fig. E-19
SE302A	GaAs	Mini size	75	50	-30~ +80	1.2	0.01	940	5	Fig. E-8
SE303	GaAs	High output Narrow radiation angle	150	100	-30~ +80	1.25 (If=50 mA)	0.01	940	3 (If=50 mA)	Fig. E-5
SE303A	GaAs	High output Wide radiation angle	150	100	-30~ +80	1.25 (If=50 mA)	0.01	940	6.5 (If=50 mA)	Fig. E-23
SE304	GaAs	Lateral direction output	100	50	-40~ +100	1.2	0.01	940	5	Fig. E-24
SE306	GaAs	Lateral direction output with a lens	100	50	-40~ +100	1.1 (If=10 mA)	~10	940	0.5 mW sr (If=10 mA)	Fig. E-25
SE308	GaAs	Small package Lateral direction output	100	50	-40~ +100	1.14 (If=20 mA)	~10	940	0.85 mW sr (If=20 mA)	Fig. E-26
SE1003	GaAlAs on GaAs	ULTRA High output Wide radiation angle	150	50	-30~ +80	1.25 (If=50 mA)	0.01	950	20 mW sr (If=50 mA)	Fig. E-23

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		If(mA)	I _C (mA)	BV(V _{AC})	T _{opt} (°C)	V _f (V) (I _F =10 mA)	I _{CEO} (nA) V _{CE} =0 V I _F =0	CTR(%) I _F =20 mA V _{CE} =5 V	V _{CE(sat)} (V) (I _C =2 mA)	
PS1001	TO-5, High reliability	60	50	1 K (DC)	-20~ +100	~1.4 (I _F =20 mA)	~200	20 ~ (I _F =20 mA)	~0.3	Fig. C-1
* PS2001B	Industrial use	60	50	2.5 K (DC)	-55~ +100	~1.4 (I _F =20 mA)	~200	30 ~ (I _F =20 mA)	~0.3	Fig. C-2
* PS2002B	High CTR	50	50	2.5 K (DC)	-55~ +100	~1.9 (I _F =5 mA)	~400	100 ~ (I _F =5 mA)	~1.2	Fig. C-2
* PS2003B	General purpose	40	50	2.5 K (DC)	-55~ +100	~1.4 (I _F =20 mA)	~200	20 ~ (I _F =20 mA)	~0.3	Fig. C-2
* PS2004B	High output current	50	200	2 K	-55~ +100	~1.4 (I _F =20 mA)	~400	1300~ (I _F =5 mA)	~1.2	Fig. C-2
PS2005B	High input current	150	50	2 K	-55~ +100	~2.0 (I _F =100 mA)	~200	10 (I _F =100 mA)	~0.3 (I _C =4 mA)	Fig. C-2
* PS2008B	Industrial use	60	50	2.5 K (DC)	-55~ +100	~1.4 (I _F =20 mA)	~200	30 ~ (I _F =20 mA)	~0.3	Fig. C-2
* PS2009B	General purpose	40	50	2.5 K (DC)	-55~ +100	~1.4 (I _F =20 mA)	~200	20 ~ (I _F =20 mA)	~0.3	Fig. C-2
* ○ PS2010	General purpose	80	100	2 K	-55~ +100	~1.4	~50	20 ~	~0.3	Fig. C-2
* ○ MCT2	General purpose	80	100	2 K	-55~ +100	~1.4	~50	20 ~	~0.3	Fig. C-2
* PS2011	Industrial use	80	80	4 K	-30~ +100	~1.4	~100 (V _{CE} =40 V)	50 ~ (I _F =5 mA)	~0.3	Fig. C-3
PS2012 PS2012(1)	High CTR High output current	80	200	4 K	-30~ +100	~1.4	~400 (V _{CE} =40 V)	200~ (I _F =1 mA)	~1.0 (I _C =1 mA)	Fig. C-3

*UL recognized ○VDE recognized