

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)	Ir TYP.(μA) (VR=3 V)	λp TYP.(nm) (If=30 mA)	Pg 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)	Ic(mA)	BV(VAC)	Topt(°C)	Vf(V) (If=10 mA)	ICEO(nA) VCE=0 V If=0	CTR(%) If=20 mA; VCE=5 V	VCE(sat)(V) (IC=2 mA)	
PS1001	TO-5, High reliability	60	50	1 K (DC)	-20~ +100	~1.4 (If=20 mA)	~200	20 ~ (If=20 mA)	~0.3	Fig. C-1
* PS2001B	Industrial use	60	50	2.5 K (DC)	-55~ +100	~1.4 (If=20 mA)	~200	30 ~ (If=20 mA)	~0.3	Fig. C-2
* PS2002B	High CTR	50	50	2.5 K (DC)	-55~ +100	~1.9 (If=5 mA)	~400	100 ~ (If=5 mA)	~1.2	Fig. C-2
* PS2003B	General purpose	40	50	2.5 K (DC)	-55~ +100	~1.4 (If=20 mA)	~200	20 ~ (If=20 mA)	~0.3	Fig. C-2
* PS2004B	High output current	50	200	2 K	-55~ +100	~1.4 (If=20 mA)	~400	1300~ (If=5 mA)	~1.2	Fig. C-2
PS2005B	High input current	150	50	2 K	-55~ +100	~2.0 (If=100 mA)	~200	10 (If=100 mA)	~0.3 (IC=4 mA)	Fig. C-2
* PS2008B	Industrial use	60	50	2.5 K (DC)	-55~ +100	~1.4 (If=20 mA)	~200	30 ~ (If=20 mA)	~0.3	Fig. C-2
* PS2009B	General purpose	40	50	2.5 K (DC)	-55~ +100	~1.4 (If=20 mA)	~200	20 ~ (If=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 (VCE=40 V)	50 ~ (If=5 mA)	~0.3	Fig. C-3
PS2012 PS2012(1)	High CTR High output current	80	200	4 K	-30~ +100	~1.4	~400 (VCE=40 V)	200~ (If=1 mA)	~1.0 (IC=1 mA)	Fig. C-3

UL recognized VDE recognized