



MAXIMUM RATINGS AND CHARACTERISTICS

Rating at 25°Cambient temperature unless otherwise specified. Resistive or inductive load, 60Hz. For Capacitive load derate current by 20%.

Rating	Symbol	Value	Units	
Peak Pulse Power Dissipation on tp=10/1000µs waveform (Notes 1,2, Fig.1)	P _{PP}	600	Watts	
Power Dissipation on Infinite Heat Sink at $T_L\!\!=\!\!50^{\circ}\!C$	P _D	5	Watts	
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (Notes 2,3)	I _{FSM}	100	Amps	
Peak Pulse Current on tp=10/1000 μ s waveform (Notes 1) Fig.3	l PPM	see Table 1	Amps	
Typical Thermal Resistance Junction to Air (Notes 2)	R _{eja}	60	°C/W	
ESD IEC-61000-4-2 (Air) ESD IEC-61000-4-2 (Contact)	Vesd	<u>+</u> 30 <u>+</u> 30	kV	
Operating Junction and Storage Temperature Range	T_J,T _{STG}	-55 to +150	°C	

NOTES :

1. Non-repetitive current pulse, per Fig.3 and derated above TA = 25°C per Fig. 2.

2. Mounted on 5mm² (0.13mm thick) land areas.

3. Measured on 8.3ms, single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minute maximum.

4. A transient suppressor is selected according to the working peak reverse voltage (VRWM), which should be equal to or greater than the DC or continuous peak operating voltage level.



Part Number		Reverse Stand-off Voltage	Breakdown Voltage VBR @ IT		Test Current	Reverse Leakage		Max. Clamp Voltage 10/1000µs	Peak Pulse Current 10/1000µs	Marking Code	
		VRWM									
	L	(Notes 4)	Min. Max.			UNI	BI				r.
UNI	BI	V	V	V	mA	μA	μA	V	A	UNI	BI
600W Transient V	oltage Suppressor										
P6SMBJ5.0A-AU	P6SMBJ5.0CA-AU	5	6.4	7.07	10	800	1600	9.2	65.2	KE	AE
P6SMBJ6.0A-AU	P6SMBJ6.0CA-AU	6	6.67	7.37	10	800	1600	10.3	58.3	KG	AG
P6SMBJ6.5A-AU	P6SMBJ6.5CA-AU	6.5	7.22	7.98	10	500	1000	11.2	53.6	кк	AK
P6SMBJ7.0A-AU	P6SMBJ7.0CA-AU	7	7.78	8.6	10	200	400	12.0	50	КМ	AM
P6SMBJ7.5A-AU	P6SMBJ7.5CA-AU	7.5	8.33	9.21	1	100	200	12.9	46.5	KP	AP
P6SMBJ8.0A-AU	P6SMBJ8.0CA-AU	8	8.89	9.83	1	50	100	13.6	44.1	KR	AR
P6SMBJ8.5A-AU	P6SMBJ8.5CA-AU	8.5	9.44	10.4	1	10	20	14.4	41.7	кт	AT
P6SMBJ9.0A-AU	P6SMBJ9.0CA-AU	9	10	11.1	1	5	5	15.4	39	КV	AV
P6SMBJ10A-AU	P6SMBJ10CA-AU	10	11.1	12.3	1	5	5	17	35.3	кх	AX
P6SMBJ11A-AU	P6SMBJ11CA-AU	11	12.2	13.5	1	1	1	18.2	33	КZ	AZ
P6SMBJ12A-AU	P6SMBJ12CA-AU	12	13.3	14.7	1	1	1	19.9	30.2	LE	BE
P6SMBJ13A-AU	P6SMBJ13CA-AU	13	14.4	15.9	1	1	1	21.5	27.9	LG	BG
P6SMBJ14A-AU	P6SMBJ14CA-AU	14	15.6	17.2	1	1	1	23.2	25.8	LK	вк
P6SMBJ15A-AU	P6SMBJ15CA-AU	15	16.7	18.5	1	1	1	24.4	24	LM	BM
P6SMBJ16A-AU	P6SMBJ16CA-AU	16	17.8	19.7	1	1	1	26	23.1	LP	BP
P6SMBJ17A-AU	P6SMBJ17CA-AU	17	18.9	20.9	1	1	1	27.6	21.7	LR	BR
P6SMBJ18A-AU	P6SMBJ18CA-AU	18	20	22.1	1	1	1	29.2	20.5	LT	вт
P6SMBJ20A-AU	P6SMBJ20CA-AU	20	22.2	24.5	1	1	1	32.4	18.5	LV	BV
P6SMBJ22A-AU	P6SMBJ22CA-AU	22	24.4	27	1	1	1	35.5	16.9	LX	BX
P6SMBJ24A-AU	P6SMBJ24CA-AU	24	26.7	29.5	1	1	1	38.9	15.4	LZ	BZ
P6SMBJ26A-AU	P6SMBJ26CA-AU	26	28.9	31.9	1	1	1	42.1	14.2	ME	CE
P6SMBJ28A-AU	P6SMBJ28CA-AU	28	31.1	34.4	1	1	1	45.4	13.2	MG	CG
P6SMBJ30A-AU	P6SMBJ30CA-AU	30	33.3	36.8	1	1	1	48.4	12.4	МК	СК
P6SMBJ33A-AU	P6SMBJ33CA-AU	33	36.7	40.6	1	1	1	53.3	11.3	MM	СМ
P6SMBJ36A-AU	P6SMBJ36CA-AU	36	40	44.2	1	1	1	58.1	10.3	MP	CP
P6SMBJ40A-AU	P6SMBJ40CA-AU	40	44.4	49.1	1	1	1	64.5	9.3	MR	CR
P6SMBJ43A-AU	P6SMBJ43CA-AU	43	47.8	52.8	1	1	1	69.4	8.6	МТ	ст
P6SMBJ45A-AU	P6SMBJ45CA-AU	45	50	55.3	1	1	1	72.7	8.3	MV	cv
P6SMBJ48A-AU	P6SMBJ48CA-AU	48	53.3	58.9	1	1	1	77.4	7.7	MX	сх
P6SMBJ51A-AU	P6SMBJ51CA-AU	51	56.7	62.7	1	1	1	82.4	7.3	MZ	cz
P6SMBJ54A-AU	P6SMBJ54CA-AU	54	60	66.3	1	1	1	87.1	6.9	NE	DE
P6SMBJ58A-AU	P6SMBJ58CA-AU	58	64.4	71.2	1	1	1	93.6	6.4	NG	DG
P6SMBJ60A-AU	P6SMBJ60CA-AU	60	66.7	73.7	1	1	1	96.8	6.2	NK	DK
P6SMBJ64A-AU	P6SMBJ64CA-AU	64	71.1	78.6	1	1	1	103	5.8	NM	DM
P6SMBJ70A-AU	P6SMBJ70CA-AU	70	77.8	86	1	1	1	113	5.3	NP	DP









ORDER INFORMATION

Packing information

T/R - 3K per 13" plastic Reel

T/R - 0.8K per 7" plastic Reel



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