

Vishay General Semiconductor

DEVICE TYPE	ELECTRICAL CHARACTERISTICS (T _A = 25 °C, unless otherwise noted)										
TPSMP6.8 ADP 6.12 7.48 10.0 5.50 300 1000 23.2 10.8 0.057		MARKING	VOLT	TAGE) AT I _T	CURRENT	VOLTAGE	REVERSE LEAKAGE AT V _{WM}	REVERSE LEAKAGE AT V _{WM} T _J = 150 °C	PEAK PULSE SURGE CURRENT	CLAMPING VOLTAGE AT I _{PPM}	
TPSMP6.8A AEP			MIN.	MAX.			nu /	I _D (μA)	I _{PPM} ⁽²⁾ (A)	0()	(131.2)
TPSMP7.5	TPSMP6.8	ADP	6.12	7.48	10.0	5.50	300	1000	23.2	10.8	0.057
TPSMP7.5A AGP 7.13 7.88 10.0 6.40 150 500 26.5 11.3 0.061	TPSMP6.8A	AEP	6.45	7.14	10.0	5.80	300	1000	23.8	10.5	0.057
TPSMP8.2	TPSMP7.5	AFP	6.75	8.25	10.0	6.05	150	500	25.6	11.7	0.060
TPSMP8.2A	TPSMP7.5A	AGP	7.13	7.88	10.0	6.40	150	500	26.5	11.3	0.061
TPSMP9.1	TPSMP8.2	AHP	7.38	9.02	10.0	6.63	50.0	200	24.0	12.5	0.065
TPSMP9.1A AMP 8.65 9.55 1.0 7.78 10.0 50.0 22.4 13.4 0.068 TPSMP10 ANP 9.00 11.0 1.0 8.10 5.0 20.0 20.0 15.0 0.073 TPSMP10A APP 9.50 10.5 1.0 8.55 5.0 20.0 20.0 20.7 14.5 0.073 TPSMP11 AQP 9.90 12.1 1.0 8.92 2.0 10.0 18.5 16.2 0.075 TPSMP11A ARP 10.5 11.6 1.0 9.40 2.0 10.0 19.2 15.6 0.075 TPSMP12 ASP 10.8 13.2 1.0 9.72 1.0 5.0 17.3 17.3 0.076 TPSMP12A ATP 11.4 12.6 1.0 10.2 1.0 5.0 18.0 16.7 0.078 TPSMP13A AVP 11.7 14.3 1.0 10.5 1.0 5.0 21.1 19.0 0.081 TPSMP13A AVP 12.4 13.7 1.0 11.1 1.0 5.0 22.0 18.2 0.081 TPSMP15 AWP 13.5 16.3 1.0 12.1 1.0 5.0 18.2 22.0 0.084 TPSMP16 AYP 14.4 17.6 1.0 12.9 1.0 5.0 17.0 23.5 0.086 TPSMP18 AZP 15.2 16.8 1.0 13.6 1.0 5.0 17.8 22.5 0.086 TPSMP18 AZP 15.2 16.8 1.0 13.6 1.0 5.0 17.8 22.5 0.086 TPSMP18 BPP 16.2 19.8 1.0 15.3 1.0 5.0 15.9 25.5 0.086 TPSMP19 ASP 14.4 17.6 1.0 15.3 1.0 5.0 17.8 22.5 0.086 TPSMP18 BPP 18.0 22.0 1.0 16.2 1.0 5.0 13.7 29.1 0.090 TPSMP20 BFP 18.0 22.0 1.0 16.2 1.0 5.0 13.7 29.1 0.090 TPSMP20 BFP 18.0 22.0 1.0 16.2 1.0 5.0 13.7 29.1 0.090 TPSMP20 BFP 25.6 26.4 1.0 17.8 1.0 5.0 13.1 30.6 0.092 TPSMP24 BLP 21.6 26.4 1.0 19.4 1.0 5.0 11.5 34.7 0.094 TPSMP2A BMP 22.8 25.2 1.0 20.5 1.0 5.0 11.5 34.7 0.094 TPSMP3A BPP 25.7 28.4 1.0 23.1 1.0 5.0 10.7 37.5 0.096 TPSMP3A BPP 25.7 28.4 1.0 23.1 1.0 5.0 5.0 10.7 37.5 0.096 TPSMP3A BPP 25.7 28.4 1.0 23.1 1.0 5.0 5.0 38.4 45.7 0.098 TPSMP3A BPP 25.7 28.4 1.0 22.6 1.0 5.0 5.0 38.4 45.7 0.098 TPSMP3A BPP 35.1 34.7 34.0 34.0 34.0 34.0 34.0 34.0 34.0 34	TPSMP8.2A		7.79	8.61	10.0		50.0	200	24.8	12.1	0.065
TPSMP10	TPSMP9.1	ALP	8.19	10.0	1.0	7.37	10.0	50.0	21.7	13.8	0.068
TPSMP10A APP 9.50 10.5 1.0 8.55 5.0 20.0 20.7 14.5 0.073											
TPSMP11											
TPSMP11A ARP 10.5 11.6 1.0 9.40 2.0 10.0 19.2 15.6 0.075											
TPSMP12											
TPSMP12A ATP 11.4 12.6 1.0 10.2 1.0 5.0 18.0 16.7 0.078 TPSMP13 AUP 11.7 14.3 1.0 10.5 1.0 5.0 21.1 19.0 0.081 TPSMP13A AVP 12.4 13.7 1.0 11.1 1.0 5.0 22.0 18.2 0.081 TPSMP15A AWP 13.5 16.3 1.0 12.1 1.0 5.0 18.2 22.0 0.084 TPSMP16A AXP 14.4 17.6 1.0 12.9 1.0 5.0 17.0 23.5 0.086 TPSMP16A AXP 14.4 17.6 1.0 13.6 1.0 5.0 17.0 23.5 0.086 TPSMP16A AZP 15.2 16.8 1.0 13.6 1.0 5.0 17.8 22.5 0.086 TPSMP18 BDP 16.2 19.8 1.0 14.5 1.0 5.0 15.1	_										
TPSMP13											
TPSMP13A AVP 12.4 13.7 1.0 11.1 1.0 5.0 22.0 18.2 0.081 TPSMP15 AWP 13.5 16.3 1.0 12.1 1.0 5.0 18.2 22.0 0.084 TPSMP16A AXP 14.3 15.8 1.0 12.8 1.0 5.0 18.9 21.2 0.084 TPSMP16A AXP 14.4 17.6 1.0 12.9 1.0 5.0 17.0 23.5 0.086 TPSMP16A AZP 15.2 16.8 1.0 13.6 1.0 5.0 17.8 22.5 0.086 TPSMP18A BEP 16.2 19.8 1.0 14.5 1.0 5.0 15.1 26.5 0.088 TPSMP18A BEP 17.1 18.9 1.0 15.3 1.0 5.0 15.9 25.5 0.088 TPSMP20 BFP 18.0 22.0 1.0 16.2 1.0 5.0 13.7											
TPSMP15 AWP 13.5 16.3 1.0 12.1 1.0 5.0 18.2 22.0 0.084 TPSMP15A AXP 14.3 15.8 1.0 12.8 1.0 5.0 18.9 21.2 0.084 TPSMP16 AYP 14.4 17.6 1.0 12.9 1.0 5.0 17.0 23.5 0.086 TPSMP16A AZP 15.2 16.8 1.0 13.6 1.0 5.0 17.8 22.5 0.086 TPSMP18A BDP 16.2 19.8 1.0 14.5 1.0 5.0 15.1 26.5 0.088 TPSMP18A BEP 17.1 18.9 1.0 16.2 1.0 5.0 15.9 25.5 0.088 TPSMP18A BEP 18.0 22.0 1.0 16.2 1.0 5.0 15.9 25.5 0.088 TPSMP20 BFP 18.0 22.0 1.0 17.1 1.0 5.0 13.7											
TPSMP15A AXP 14.3 15.8 1.0 12.8 1.0 5.0 18.9 21.2 0.084 TPSMP16 AYP 14.4 17.6 1.0 12.9 1.0 5.0 17.0 23.5 0.086 TPSMP16A AZP 15.2 16.8 1.0 13.6 1.0 5.0 17.8 22.5 0.086 TPSMP18 BDP 16.2 19.8 1.0 14.5 1.0 5.0 15.1 26.5 0.088 TPSMP18A BEP 17.1 18.9 1.0 15.3 1.0 5.0 15.9 25.5 0.088 TPSMP20 BFP 18.0 22.0 1.0 16.2 1.0 5.0 13.7 29.1 0.090 TPSMP20 BFP 19.0 21.0 1.0 17.1 1.0 5.0 13.7 29.1 0.090 TPSMP22 BHP 19.8 24.2 1.0 17.8 1.0 5.0 12.5											
TPSMP16 AYP 14.4 17.6 1.0 12.9 1.0 5.0 17.0 23.5 0.086 TPSMP16A AZP 15.2 16.8 1.0 13.6 1.0 5.0 17.8 22.5 0.086 TPSMP18 BDP 16.2 19.8 1.0 14.5 1.0 5.0 15.1 26.5 0.088 TPSMP18A BEP 17.1 18.9 1.0 15.3 1.0 5.0 15.9 25.5 0.088 TPSMP20 BFP 18.0 22.0 1.0 16.2 1.0 5.0 13.7 29.1 0.090 TPSMP20A BGP 19.0 21.0 1.0 17.1 1.0 5.0 13.7 29.1 0.090 TPSMP20A BGP 19.0 21.0 1.0 17.8 1.0 5.0 12.5 31.9 0.092 TPSMP22A BKP 20.9 23.1 1.0 18.8 1.0 5.0 13.1											
TPSMP16A AZP 15.2 16.8 1.0 13.6 1.0 5.0 17.8 22.5 0.086 TPSMP18 BDP 16.2 19.8 1.0 14.5 1.0 5.0 15.1 26.5 0.088 TPSMP18A BEP 17.1 18.9 1.0 15.3 1.0 5.0 15.9 25.5 0.088 TPSMP20 BFP 18.0 22.0 1.0 16.2 1.0 5.0 13.7 29.1 0.090 TPSMP20A BGP 19.0 21.0 1.0 17.1 1.0 5.0 13.7 29.1 0.090 TPSMP20A BGP 19.0 21.0 1.0 17.8 1.0 5.0 14.4 27.7 0.090 TPSMP22B BHP 19.8 24.2 1.0 17.8 1.0 5.0 12.5 31.9 0.092 TPSMP22A BKP 20.9 23.1 1.0 19.4 1.0 5.0 11.5											
TPSMP18 BDP 16.2 19.8 1.0 14.5 1.0 5.0 15.1 26.5 0.088 TPSMP18A BEP 17.1 18.9 1.0 15.3 1.0 5.0 15.9 25.5 0.088 TPSMP20 BFP 18.0 22.0 1.0 16.2 1.0 5.0 13.7 29.1 0.090 TPSMP20A BGP 19.0 21.0 1.0 17.1 1.0 5.0 14.4 27.7 0.090 TPSMP22A BHP 19.8 24.2 1.0 17.8 1.0 5.0 12.5 31.9 0.092 TPSMP22A BKP 20.9 23.1 1.0 18.8 1.0 5.0 12.5 31.9 0.092 TPSMP24A BLP 21.6 26.4 1.0 19.4 1.0 5.0 11.5 34.7 0.094 TPSMP24A BMP 22.8 25.2 1.0 20.5 1.0 5.0 12.0							_				
TPSMIP18A BEP 17.1 18.9 1.0 15.3 1.0 5.0 15.9 25.5 0.088 TPSMIP20 BFP 18.0 22.0 1.0 16.2 1.0 5.0 13.7 29.1 0.090 TPSMIP20A BGP 19.0 21.0 1.0 17.1 1.0 5.0 14.4 27.7 0.090 TPSMIP22 BHP 19.8 24.2 1.0 17.8 1.0 5.0 14.4 27.7 0.090 TPSMIP22A BHP 19.8 24.2 1.0 17.8 1.0 5.0 12.5 31.9 0.092 TPSMIP22A BKP 20.9 23.1 1.0 18.8 1.0 5.0 13.1 30.6 0.092 TPSMIP24A BLP 21.6 26.4 1.0 19.4 1.0 5.0 11.5 34.7 0.094 TPSMIP27A BNP 24.3 29.7 1.0 21.8 1.0 5.0 10.2 <td></td>											
TPSMP20 BFP 18.0 22.0 1.0 16.2 1.0 5.0 13.7 29.1 0.090 TPSMP20A BGP 19.0 21.0 1.0 17.1 1.0 5.0 14.4 27.7 0.090 TPSMP22 BHP 19.8 24.2 1.0 17.8 1.0 5.0 12.5 31.9 0.092 TPSMP22A BKP 20.9 23.1 1.0 18.8 1.0 5.0 12.5 31.9 0.092 TPSMP22A BKP 20.9 23.1 1.0 18.8 1.0 5.0 13.1 30.6 0.092 TPSMP24 BLP 21.6 26.4 1.0 19.4 1.0 5.0 11.5 34.7 0.094 TPSMP24A BMP 22.8 25.2 1.0 20.5 1.0 5.0 12.0 33.2 0.094 TPSMP27 BNP 24.3 29.7 1.0 21.8 1.0 5.0 10.7											
TPSMP20A BGP 19.0 21.0 1.0 17.1 1.0 5.0 14.4 27.7 0.090 TPSMP22 BHP 19.8 24.2 1.0 17.8 1.0 5.0 12.5 31.9 0.092 TPSMP22A BKP 20.9 23.1 1.0 18.8 1.0 5.0 13.1 30.6 0.092 TPSMP24A BLP 21.6 26.4 1.0 19.4 1.0 5.0 11.5 34.7 0.094 TPSMP24A BMP 22.8 25.2 1.0 20.5 1.0 5.0 12.0 33.2 0.094 TPSMP27A BNP 24.3 29.7 1.0 21.8 1.0 5.0 10.2 39.1 0.100 TPSMP27A BPP 25.7 28.4 1.0 23.1 1.0 5.0 10.7 37.5 0.096 TPSMP300 BQP 27.0 33.0 1.0 24.3 1.0 5.0 9.2											
TPSMP22 BHP 19.8 24.2 1.0 17.8 1.0 5.0 12.5 31.9 0.092 TPSMP22A BKP 20.9 23.1 1.0 18.8 1.0 5.0 13.1 30.6 0.092 TPSMP24 BLP 21.6 26.4 1.0 19.4 1.0 5.0 11.5 34.7 0.094 TPSMP24A BMP 22.8 25.2 1.0 20.5 1.0 5.0 12.0 33.2 0.094 TPSMP27A BNP 24.3 29.7 1.0 21.8 1.0 5.0 10.2 39.1 0.100 TPSMP27A BPP 25.7 28.4 1.0 23.1 1.0 5.0 10.7 37.5 0.096 TPSMP30 BQP 27.0 33.0 1.0 24.3 1.0 5.0 9.2 43.5 0.097 TPSMP30A BRP 28.5 31.5 1.0 25.6 1.0 5.0 9.7											
TPSMP22A BKP 20.9 23.1 1.0 18.8 1.0 5.0 13.1 30.6 0.092 TPSMP24 BLP 21.6 26.4 1.0 19.4 1.0 5.0 11.5 34.7 0.094 TPSMP24A BMP 22.8 25.2 1.0 20.5 1.0 5.0 12.0 33.2 0.094 TPSMP27 BNP 24.3 29.7 1.0 21.8 1.0 5.0 10.2 39.1 0.100 TPSMP27A BPP 25.7 28.4 1.0 23.1 1.0 5.0 10.7 37.5 0.096 TPSMP30 BQP 27.0 33.0 1.0 24.3 1.0 5.0 9.2 43.5 0.097 TPSMP30A BRP 28.5 31.5 1.0 25.6 1.0 5.0 9.7 41.4 0.097 TPSMP33A BTP 31.4 34.7 1.0 28.2 1.0 5.0 8.8 <		_									
TPSMP24 BLP 21.6 26.4 1.0 19.4 1.0 5.0 11.5 34.7 0.094 TPSMP24A BMP 22.8 25.2 1.0 20.5 1.0 5.0 12.0 33.2 0.094 TPSMP27 BNP 24.3 29.7 1.0 21.8 1.0 5.0 10.2 39.1 0.100 TPSMP27A BPP 25.7 28.4 1.0 23.1 1.0 5.0 10.7 37.5 0.096 TPSMP30 BQP 27.0 33.0 1.0 24.3 1.0 5.0 9.2 43.5 0.097 TPSMP30A BRP 28.5 31.5 1.0 25.6 1.0 5.0 9.7 41.4 0.097 TPSMP33 BSP 29.7 36.3 1.0 26.8 1.0 5.0 8.4 47.7 0.098 TPSMP3A BTP 31.4 34.7 1.0 28.2 1.0 5.0 7.7											
TPSMP24A BMP 22.8 25.2 1.0 20.5 1.0 5.0 12.0 33.2 0.094 TPSMP27 BNP 24.3 29.7 1.0 21.8 1.0 5.0 10.2 39.1 0.100 TPSMP27A BPP 25.7 28.4 1.0 23.1 1.0 5.0 10.7 37.5 0.096 TPSMP30 BQP 27.0 33.0 1.0 24.3 1.0 5.0 9.2 43.5 0.097 TPSMP30A BRP 28.5 31.5 1.0 25.6 1.0 5.0 9.7 41.4 0.097 TPSMP33 BSP 29.7 36.3 1.0 26.8 1.0 5.0 8.4 47.7 0.098 TPSMP33A BTP 31.4 34.7 1.0 28.2 1.0 5.0 8.8 45.7 0.098 TPSMP36 BUP 32.4 39.6 1.0 29.1 1.0 5.0 7.7											
TPSMP27 BNP 24.3 29.7 1.0 21.8 1.0 5.0 10.2 39.1 0.100 TPSMP27A BPP 25.7 28.4 1.0 23.1 1.0 5.0 10.7 37.5 0.096 TPSMP30 BQP 27.0 33.0 1.0 24.3 1.0 5.0 9.2 43.5 0.097 TPSMP30A BRP 28.5 31.5 1.0 25.6 1.0 5.0 9.7 41.4 0.097 TPSMP33 BSP 29.7 36.3 1.0 26.8 1.0 5.0 9.7 41.4 0.097 TPSMP33A BTP 31.4 34.7 1.0 28.2 1.0 5.0 8.4 47.7 0.098 TPSMP36 BUP 32.4 39.6 1.0 29.1 1.0 5.0 7.7 52.0 0.099 TPSMP36A BVP 34.2 37.8 1.0 30.8 1.0 5.0 7.1 5											
TPSMP27A BPP 25.7 28.4 1.0 23.1 1.0 5.0 10.7 37.5 0.096 TPSMP30 BQP 27.0 33.0 1.0 24.3 1.0 5.0 9.2 43.5 0.097 TPSMP30A BRP 28.5 31.5 1.0 25.6 1.0 5.0 9.7 41.4 0.097 TPSMP33 BSP 29.7 36.3 1.0 26.8 1.0 5.0 8.4 47.7 0.098 TPSMP33A BTP 31.4 34.7 1.0 28.2 1.0 5.0 8.8 45.7 0.098 TPSMP36 BUP 32.4 39.6 1.0 29.1 1.0 5.0 7.7 52.0 0.099 TPSMP36A BVP 34.2 37.8 1.0 30.8 1.0 5.0 8.0 49.9 0.099 TPSMP39 BWP 35.1 42.9 1.0 31.6 1.0 5.0 7.1 56											
TPSMP30 BQP 27.0 33.0 1.0 24.3 1.0 5.0 9.2 43.5 0.097 TPSMP30A BRP 28.5 31.5 1.0 25.6 1.0 5.0 9.7 41.4 0.097 TPSMP33 BSP 29.7 36.3 1.0 26.8 1.0 5.0 8.4 47.7 0.098 TPSMP33A BTP 31.4 34.7 1.0 28.2 1.0 5.0 8.8 45.7 0.098 TPSMP36 BUP 32.4 39.6 1.0 29.1 1.0 5.0 7.7 52.0 0.099 TPSMP36A BVP 34.2 37.8 1.0 30.8 1.0 5.0 8.0 49.9 0.099 TPSMP39 BWP 35.1 42.9 1.0 31.6 1.0 5.0 7.1 56.4 0.100 TPSMP39A BXP 37.1 41.0 1.0 33.3 1.0 5.0 7.4 53.											
TPSMP30A BRP 28.5 31.5 1.0 25.6 1.0 5.0 9.7 41.4 0.097 TPSMP33 BSP 29.7 36.3 1.0 26.8 1.0 5.0 8.4 47.7 0.098 TPSMP33A BTP 31.4 34.7 1.0 28.2 1.0 5.0 8.8 45.7 0.098 TPSMP36 BUP 32.4 39.6 1.0 29.1 1.0 5.0 7.7 52.0 0.099 TPSMP36A BVP 34.2 37.8 1.0 30.8 1.0 5.0 8.0 49.9 0.099 TPSMP39 BWP 35.1 42.9 1.0 31.6 1.0 5.0 7.1 56.4 0.100 TPSMP39A BXP 37.1 41.0 1.0 33.3 1.0 5.0 7.4 53.9 0.100											
TPSMP33 BSP 29.7 36.3 1.0 26.8 1.0 5.0 8.4 47.7 0.098 TPSMP33A BTP 31.4 34.7 1.0 28.2 1.0 5.0 8.8 45.7 0.098 TPSMP36 BUP 32.4 39.6 1.0 29.1 1.0 5.0 7.7 52.0 0.099 TPSMP36A BVP 34.2 37.8 1.0 30.8 1.0 5.0 8.0 49.9 0.099 TPSMP39 BWP 35.1 42.9 1.0 31.6 1.0 5.0 7.1 56.4 0.100 TPSMP39A BXP 37.1 41.0 1.0 33.3 1.0 5.0 7.4 53.9 0.100		· ·									
TPSMP33A BTP 31.4 34.7 1.0 28.2 1.0 5.0 8.8 45.7 0.098 TPSMP36 BUP 32.4 39.6 1.0 29.1 1.0 5.0 7.7 52.0 0.099 TPSMP36A BVP 34.2 37.8 1.0 30.8 1.0 5.0 8.0 49.9 0.099 TPSMP39 BWP 35.1 42.9 1.0 31.6 1.0 5.0 7.1 56.4 0.100 TPSMP39A BXP 37.1 41.0 1.0 33.3 1.0 5.0 7.4 53.9 0.100											
TPSMP36 BUP 32.4 39.6 1.0 29.1 1.0 5.0 7.7 52.0 0.099 TPSMP36A BVP 34.2 37.8 1.0 30.8 1.0 5.0 8.0 49.9 0.099 TPSMP39 BWP 35.1 42.9 1.0 31.6 1.0 5.0 7.1 56.4 0.100 TPSMP39A BXP 37.1 41.0 1.0 33.3 1.0 5.0 7.4 53.9 0.100											
TPSMP36A BVP 34.2 37.8 1.0 30.8 1.0 5.0 8.0 49.9 0.099 TPSMP39 BWP 35.1 42.9 1.0 31.6 1.0 5.0 7.1 56.4 0.100 TPSMP39A BXP 37.1 41.0 1.0 33.3 1.0 5.0 7.4 53.9 0.100											
TPSMP39 BWP 35.1 42.9 1.0 31.6 1.0 5.0 7.1 56.4 0.100 TPSMP39A BXP 37.1 41.0 1.0 33.3 1.0 5.0 7.4 53.9 0.100											
TPSMP39A BXP 37.1 41.0 1.0 33.3 1.0 5.0 7.4 53.9 0.100											
	TPSMP43	BYP	38.7	47.3	1.0	34.8	1.0	5.0	6.5	61.9	0.100
TPSMP43A BZP 40.9 45.2 1.0 36.8 1.0 5.0 6.7 59.3 0.101											

Notes

 $^{^{(1)}~}V_{BR}$ measured after I_{T} applied for 300 $\mu s,\,I_{T}$ = square wave pulse or equivalent

⁽²⁾ Surge current waveform per fig. 3 and derated per fig. 2

⁽³⁾ All terms and symbols are consistent with ANSI/IEEE C62.35



Vishay General Semiconductor

ORDERING INFORMATION (Example)										
PREFERRED P/N	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE						
TPSMP6.8AHM3/84A (1)	0.024	84A	3000	7" diameter plastic tape and reel						
TPSMP6.8AHM3/85A (1)	0.024	85A	10 000	13" diameter plastic tape and reel						
TPSMP6.8AHM3_A/H (1)	0.024	Н	3000	7" diameter plastic tape and reel						
TPSMP6.8AHM3_A/I (1)	0.024	I	10 000	13" diameter plastic tape and reel						

Note

RATINGS AND CHARACTERISTICS CURVES (T_A = 25 °C, unless otherwise noted)

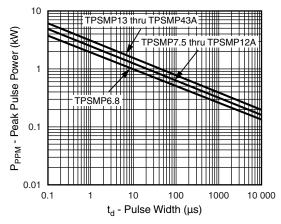


Fig. 1 - Peak Pulse Power Rating Curve

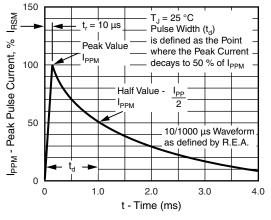


Fig. 3 - Pulse Waveform

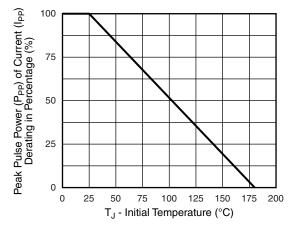


Fig. 2 - Pulse Derating Curve

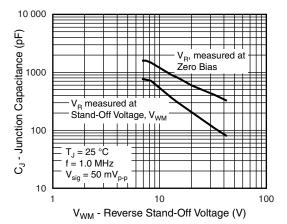


Fig. 4 - Typical Junction Capacitance

⁽¹⁾ Automotive grade





Vishay General Semiconductor

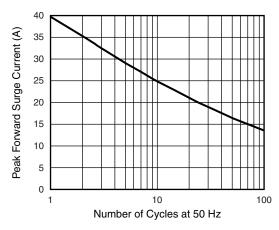


Fig. 5 - Maximum Peak Forward Surge Current

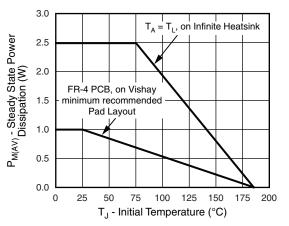
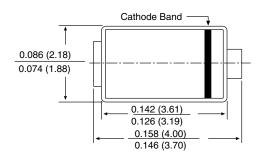
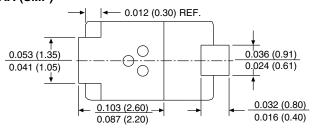


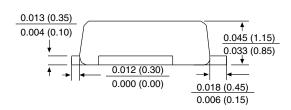
Fig. 6 - Steady State Power Derating Curve

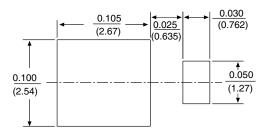
PACKAGE OUTLINE DIMENSIONS in inches (millimeters)

DO-220AA (SMP)











Vishay

Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.

Revision: 13-Jun-16 1 Document Number: 91000