



ELECTRICAL CHARACTERISTICS (T <sub>A</sub> = 25 °C unless otherwise noted)											
PART NUMBER <sup>(1)</sup>	DEVICE MARKING CODE	ZENER VOLTAGE RANGE			TEST CURRENT		MAXIMUM ZENER IMPEDANCE		MAXIMUM REVERSE CURRENT		MAXIMUM ZENER CURRENT <sup>(1)</sup>
		V <sub>Z</sub> AT I <sub>ZT</sub>			I <sub>ZT</sub>	I <sub>ZK</sub>	Z <sub>ZT</sub> AT I <sub>ZT</sub>	Z <sub>ZK</sub> AT I <sub>ZK</sub>	I <sub>R</sub> AT V <sub>R</sub>		I <sub>ZM</sub>
		V			mA		Ω		μA	V	mA
		MIN.	NOM.	MAX.			MAX.	MAX.	MAX.		MAX.
SMZJ3788B	VL	8.65	9.1	9.56	41.2	0.50	4.0	1000	50	7.0	140
SMZJ3789B	WB	9.50	10	10.5	37.5	0.25	5.0	1000	50	7.6	125
SMZJ3790B	WD	10.5	11	11.6	34.1	0.25	6.0	650	10	8.4	115
SMZJ3791B	WF	11.4	12	12.6	31.2	0.25	7.0	550	5.0	9.1	105
SMZJ3792B	WH	12.4	13	13.7	28.8	0.25	7.5	550	5.0	9.9	98
SMZJ3793B	WJ	14.3	15	15.8	25.0	0.25	9.0	600	5.0	11.4	85
SMZJ3794B	WL	15.2	16	16.8	23.4	0.25	10.0	600	5.0	12.2	80
SMZJ3795B	XB	17.1	18	18.9	20.8	0.25	12.0	650	5.0	13.7	70
SMZJ3796B	XD	19.0	20	21.0	18.7	0.25	14.0	650	5.0	15.2	62
SMZJ3797B	XF	20.9	22	23.1	17.0	0.25	17.5	650	5.0	16.7	56
SMZJ3798B	XH	22.8	24	25.2	15.6	0.25	19.0	700	5.0	18.2	51
SMZJ3799B	XJ	25.7	27	28.4	13.9	0.25	23.0	700	5.0	20.6	46
SMZJ3800B	XL	28.5	30	31.5	12.5	0.25	26.0	750	5.0	22.8	41
SMZJ3801B	YB	31.4	33	34.7	11.4	0.25	33.0	800	5.0	25.1	38
SMZJ3802B	YD	34.2	36	37.8	10.4	0.25	38.0	850	5.0	27.4	35
SMZJ3803B	YF	37.1	39	41.0	9.6	0.25	45.0	900	5.0	29.7	31
SMZJ3804B	YH	40.9	43	45.2	8.7	0.25	53.0	950	5.0	32.7	28
SMZJ3805B	YJ	44.7	47	49.4	8.0	0.25	67.0	1000	5.0	35.8	26
SMZJ3806B	YL	48.5	51	53.6	7.3	0.25	70.0	1100	5.0	38.8	24
SMZJ3807B	ZB	53.2	56	58.8	6.7	0.25	86.0	1300	5.0	42.6	22
SMZJ3808B	ZD	58.9	62	65.1	6.0	0.25	100.0	1500	5.0	47.1	20
SMZJ3809B	ZF	64.6	68	71.4	5.5	0.25	120.0	1700	5.0	51.7	18

**Note**

<sup>(1)</sup> Maximum steady state power dissipation is 1500 mW at T<sub>L</sub> = 75 °C (fig. 1)

ORDERING INFORMATION (Example)					
PREFERRED P/N	UNIT WEIGHT (g)	PREFERRED PACKAGE CODE	BASE QUANTITY	DELIVERY MODE	
SMZJ3788B-E3/52	0.096	52	750	7" diameter plastic tape and reel	
SMZJ3788B-M3/52					
SMZJ3788B-E3/5B	0.096	5B	3200	13" diameter plastic tape and reel	
SMZJ3788B-E3/5B					
SMZJ3788BHE3_A/H <sup>(1)</sup>	0.096	H	750	7" diameter plastic tape and reel	
SMZJ3788BHM3_A/H <sup>(1)</sup>					
SMZJ3788BHE3_A/I <sup>(1)</sup>	0.096	I	3200	13" diameter plastic tape and reel	
SMZJ3788BHM3_A/I <sup>(1)</sup>					

**Note**

<sup>(1)</sup> AEC-Q101 qualified



**RATINGS AND CHARACTERISTICS CURVES** ( $T_A = 25\text{ }^\circ\text{C}$  unless otherwise noted)

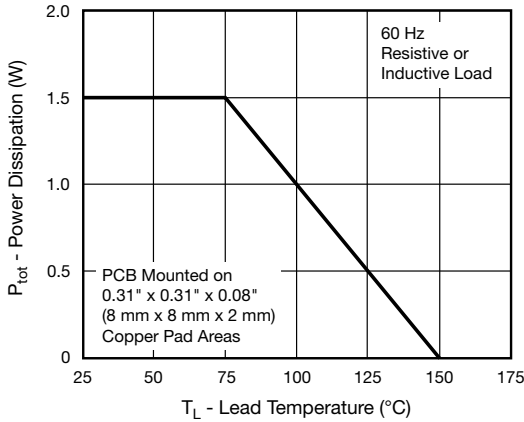


Fig. 1 - Maximum Continuous Power Dissipation

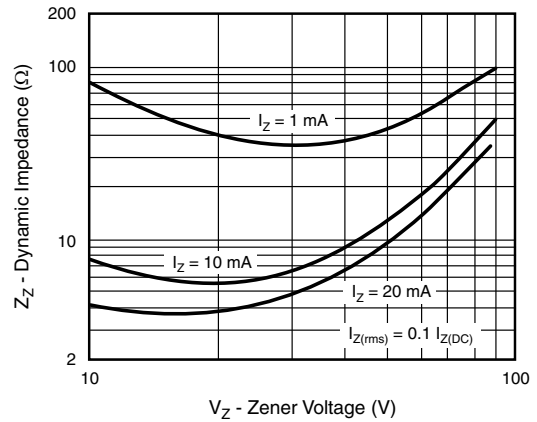


Fig. 3 - Typical Zener Impedance

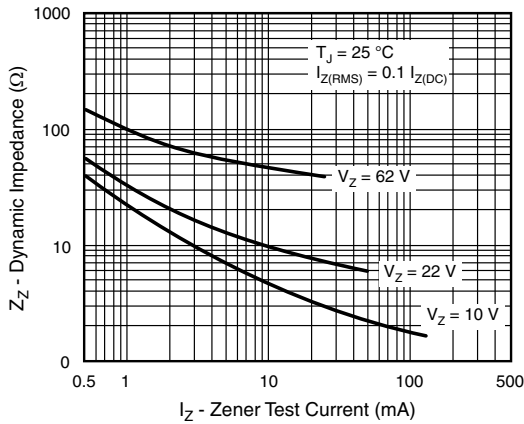


Fig. 2 - Typical Zener Impedance

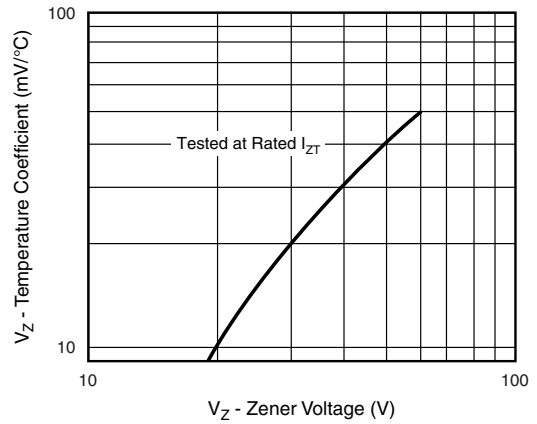
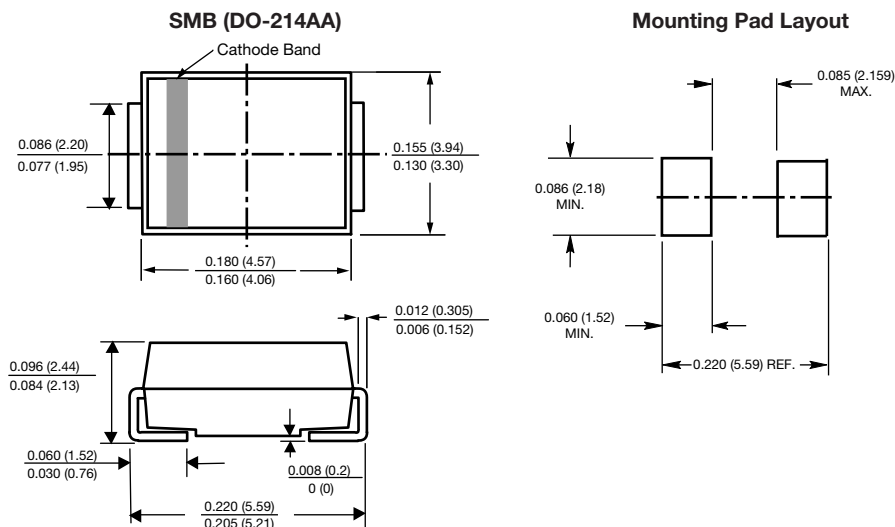


Fig. 4 - Typical Temperature Coefficients

**PACKAGE OUTLINE DIMENSIONS** in inches (millimeters)





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