

1500 WATT SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSORS

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C-Bend- SMBJ Prefix
CASE TYPE: DO-214AA



Operating Junction and Storage
Temperature Range: -55° to +150°C

"Gull-Wing"
SMBG Prefix
CASE TYPE: DO215AA

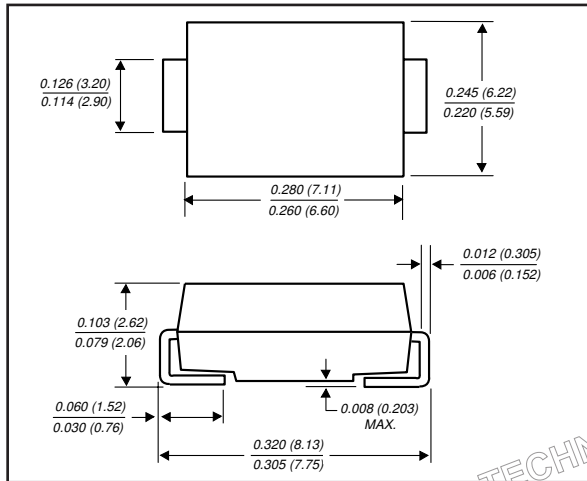


DEVICE TYPE (3)	DEVICE MARKING CODES		BREAKDOWN VOLTAGE (1)		REVERSE STANDOFF VOLTAGE (V _{WM}) VOLTS	MAX. REVERSE LEAKAGE CURRENT at V _{WM} (I _B) μA	MAX. PEAK IMPULSE CURRENT (I _{PPM}) AMPS (2)	MAX. CLAMPING VOLTAGE at I _{PPM} (V _C) VOLTS
			V(BR) MIN. VOLTS	at I _T mA				
	UNI	BI						
SMCJ5.0	GDD	GDD	6.40	10	5.0	1000*	156.0	9.6
SMCJ6.0	GDF	GDF	6.67	10	6.0	1000*	132.0	11.4
SMCJ6.5	GDH	BDH	7.22	10	6.5	500*	122.0	12.3
SMCJ7.0	GDL	GDL	7.78	10	7.0	200*	113.0	13.3
SMCJ7.5	GDN	BDN	8.33	1.0	7.5	100*	105.0	14.3
SMCJ8.0	GDQ	BDQ	8.89	1.0	8.0	50*	100.0	15.0
SMCJ8.5	GDS	DBS	9.44	1.0	8.5	25*	94.3	15.9
SMCJ9.0	GDU	BDU	10.0	1.0	9.0	10*	88.8	16.9
SMCJ10	GDW	BDW	11.1	1.0	10.0	5.0	79.8	18.8
SMCJ11	GDY	GDY	12.2	1.0	11.0	5.0	74.6	20.1
SMCJ12	GED	BED	13.3	1.0	12.0	5.0	68.2	22.0
SMCJ13	GEF	GEF	14.4	1.0	13.0	5.0	63.0	23.8
SMCJ14	GEH	BEH	15.6	1.0	14.0	5.0	58.1	25.8
SMCJ15	GEL	BEL	16.7	1.0	15.0	5.0	55.8	26.9
SMCJ16	GEN	GEN	17.8	1.0	16.0	5.0	52.1	28.8
SMCJ17	GEQ	GEQ	18.9	1.0	17.0	5.0	49.2	30.5
SMCJ18	GES	BES	20.0	1.0	18.0	5.0	46.6	32.2
SMCJ20	GEU	BEU	22.2	1.0	20.0	5.0	41.9	35.8
SMCJ22	GEW	BEW	24.4	1.0	22.0	5.0	38.1	39.4
SMCJ24	GEY	BEY	26.7	1.0	24.0	5.0	34.9	43.0
SMCJ26	GFD	BFD	28.9	1.0	26.0	5.0	32.2	46.6
SMCJ28	GFF	BFF	31.1	1.0	28.0	5.0	30.0	50.0
SMCJ30	GFH	BFH	33.3	1.0	30.0	5.0	28.0	53.5
SMCJ33	GFL	BFL	36.7	1.0	33.0	5.0	25.4	59.0
SMCJ36	GFN	BFN	40.0	1.0	36.0	5.0	23.3	64.3
SMCJ40	GFQ	BFQ	44.4	1.0	40.0	5.0	21.0	71.4
SMCJ43	GFS	BFS	47.8	1.0	43.0	5.0	19.6	76.7
SMCJ45	GFU	GFU	50.0	1.0	45.0	5.0	18.7	80.3
SMCJ48	GFV	GFV	53.3	1.0	48.0	5.0	17.5	85.5
SMCJ51	GFY	GFY	56.1	1.0	51.0	5.0	16.5	91.1
SMCJ54	GGD	GDD	60.0	1.0	54.0	5.0	15.6	96.3
SMCJ58	GGF	GGF	64.4	1.0	58.0	5.0	14.6	103
SMCJ60	GGH	GGH	66.7	1.0	60.0	5.0	14.0	107
SMCJ64	GGL	GGL	71.1	1.0	64.0	5.0	13.2	114
SMCJ70	GGN	GGN	77.6	1.0	70.0	5.0	12.0	125
SMCJ75	GGQ	GGQ	83.3	1.0	75.0	5.0	11.2	134
SMCJ78	GGS	GGS	86.7	1.0	78.0	5.0	10.8	139
SMCJ85	GGU	GGU	94.9	1.0	85.0	5.0	9.9	151
SMCJ90	GGW	GGW	100	1.0	90.0	5.0	9.4	160
SMCJ100	GGY	GGY	111	1.0	100.0	5.0	8.4	179
SMCJ110	GHD	GHD	122	1.0	110.0	5.0	7.7	196
SMCJ120	GHF	GHF	133	1.0	120.0	5.0	7.0	214
SMCJ130	GHH	GHH	144	1.0	130.0	5.0	6.5	231
SMCJ150	GHL	GHL	167	1.0	150.0	5.0	5.6	268
SMCJ160	GHN	GHN	178	1.0	160.0	5.0	5.2	287
SMCJ170	GHQ	GHQ	189	1.0	170.0	5.0	4.9	304

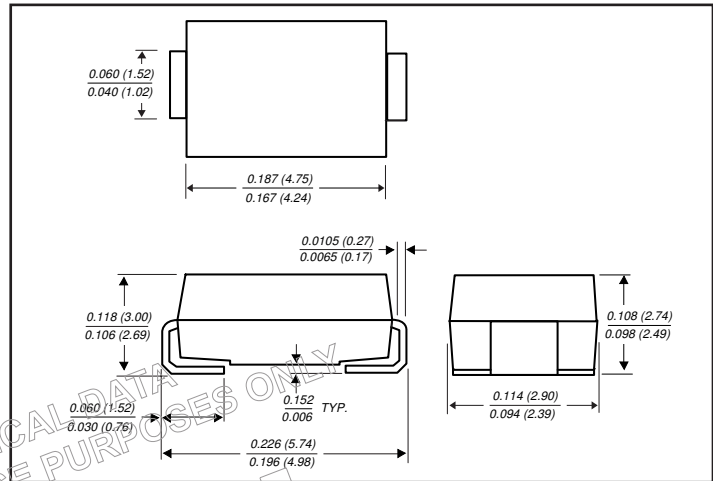
Notes:

- (1) Standard device is 10% tolerance, for 5% tolerance, add "A" suffix to part number
 - (2) Peak impulse current waveform: 10/1000μs at T_A=25°C
 - (3) Available in bi-directional by adding suffix "C"
- *For bi-directional types having V_{WM} of 10 Volts and less, the I_B limits are doubled

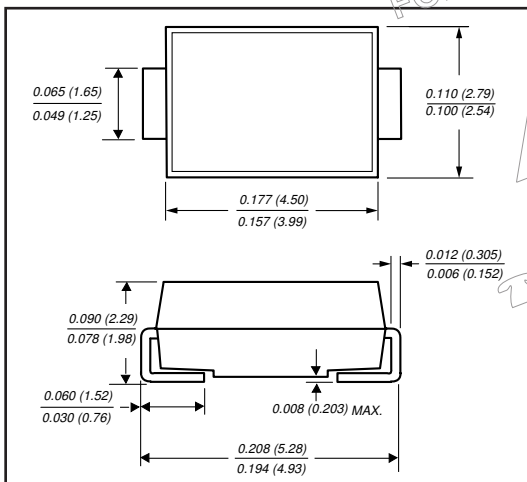
ALL DIMENSIONS ARE IN INCHES AND (MILLIMETERS)



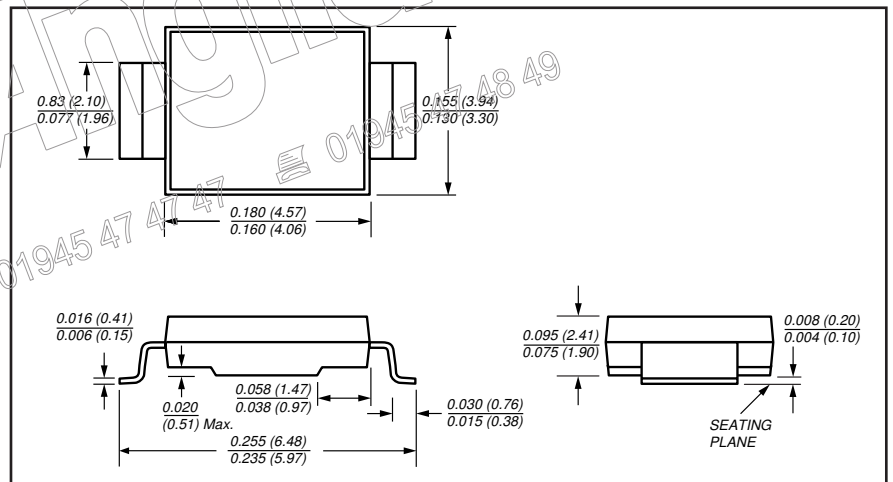
DO-214AB (SMC)



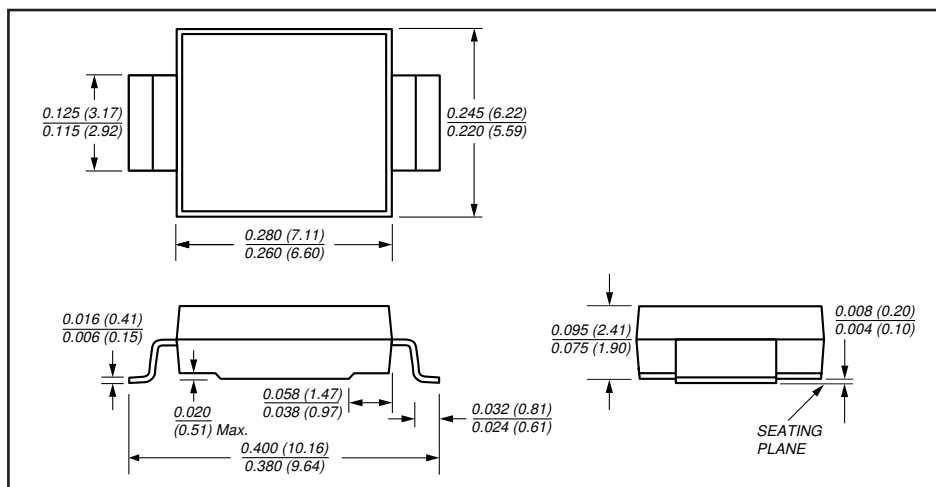
DO-214BA (GF1)



DO-214AC (SMA)



DO-215AA (SMBG GULL WING)



DO-215AB (SMCG GULL WING)