

Electrical Characteristics (at TA=25°C, unless otherwise specified)

Part No.	Breakdown voltage VBR @ IT			Maximum Reverse Leakage @VRWM IR (μA)	Working Peak Reverse Voltage VRWM (V)	Maximum Reverse Surge Current IPP (A)	Maximum Clamping Voltage @IPP VC (V)	Marking Code	
	Min. (V)	Max. (V)	IT (mA)					UNI	BI
SMAJ5.0(C)A-HF	6.40	7.25	10	800	5.0	43.5	9.2	AE	WE
SMAJ6.0(C)A-HF	6.67	7.37	10	800	6.0	38.8	10.3	AG	WG
SMAJ6.5(C)A-HF	7.22	7.98	10	500	6.5	35.7	11.2	AK	WK
SMAJ7.0(C)A-HF	7.78	8.60	10	200	7.0	33.3	12.0	AM	WM
SMAJ7.5(C)A-HF	8.33	9.21	1	100	7.5	31.0	12.9	AP	WP
SMAJ8.0(C)A-HF	8.89	9.83	1	50	8.0	29.4	13.6	AR	WR
SMAJ8.5(C)A-HF	9.44	10.40	1	10	8.5	27.8	14.4	AT	WT
SMAJ9.0(C)A-HF	10.00	11.10	1	5	9.0	26.0	15.4	AV	WV
SMAJ10(C)A-HF	11.10	12.30	1	5	10.0	23.5	17.0	AX	WX
SMAJ11(C)A-HF	12.20	13.50	1	5	11.0	22.0	18.2	AZ	WZ
SMAJ12(C)A-HF	13.30	14.70	1	5	12.0	20.1	19.9	BE	XE
SMAJ13(C)A-HF	14.40	15.90	1	5	13.0	18.6	21.5	BG	XG
SMAJ14(C)A-HF	15.60	17.20	1	5	14.0	17.2	23.2	BK	XK
SMAJ15(C)A-HF	16.70	18.50	1	5	15.0	16.4	24.4	BM	XM
SMAJ16(C)A-HF	17.80	19.70	1	5	16.0	15.4	26.0	BP	XP
SMAJ17(C)A-HF	18.90	20.90	1	5	17.0	14.5	27.6	BR	XR
SMAJ18(C)A-HF	20.00	22.10	1	5	18.0	13.7	29.2	BT	XT
SMAJ20(C)A-HF	22.20	24.50	1	5	20.0	12.3	32.4	BV	XV
SMAJ22(C)A-HF	24.40	26.90	1	5	22.0	11.3	35.5	BX	XX
SMAJ24(C)A-HF	26.70	29.50	1	5	24.0	10.3	38.9	BZ	XZ
SMAJ26(C)A-HF	28.90	31.90	1	5	26.0	9.5	42.1	CE	YE
SMAJ28(C)A-HF	31.10	34.40	1	5	28.0	8.8	45.4	CG	YG
SMAJ30(C)A-HF	33.30	36.80	1	5	30.0	8.3	48.4	CK	YK
SMAJ33(C)A-HF	36.70	40.60	1	5	33.0	7.5	53.3	CM	YM
SMAJ36(C)A-HF	40.00	44.20	1	5	36.0	6.9	58.1	CP	YP
SMAJ40(C)A-HF	44.40	49.10	1	5	40.0	6.2	64.5	CR	YR
SMAJ43(C)A-HF	47.80	52.80	1	5	43.0	5.8	69.4	CT	YT
SMAJ45(C)A-HF	50.00	55.30	1	5	45.0	5.5	72.7	CV	YV
SMAJ48(C)A-HF	53.30	58.90	1	5	48.0	5.2	77.4	CX	YX
SMAJ51(C)A-HF	56.70	62.70	1	5	51.0	4.9	82.4	CZ	YZ
SMAJ54(C)A-HF	60.00	66.30	1	5	54.0	4.6	87.1	RE	ZE
SMAJ58(C)A-HF	64.40	71.20	1	5	58.0	4.3	93.6	RG	ZG
SMAJ60(C)A-HF	66.70	73.70	1	5	60.0	4.1	96.8	RK	ZK
SMAJ64(C)A-HF	71.10	78.60	1	5	64.0	3.9	103.0	RM	ZM
SMAJ70(C)A-HF	77.80	86.00	1	5	70.0	3.5	113.0	RP	ZP
SMAJ75(C)A-HF	83.30	92.10	1	5	75.0	3.3	121.0	RR	ZR
SMAJ78(C)A-HF	86.70	95.80	1	5	78.0	3.2	126.0	RT	ZT
SMAJ85(C)A-HF	94.40	104.00	1	5	85.0	2.9	137.0	RV	ZV
SMAJ90(C)A-HF	100.00	111.00	1	5	90.0	2.7	146.0	RX	ZX
SMAJ100(C)A-HF	111.00	123.00	1	5	100.0	2.4	162.0	RZ	ZZ

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Part No.	Breakdown voltage V _{BR} @ I _T			Maximum Reverse Leakage @V _{RWM} I _R (μA)	Working Peak Reverse Voltage V _{RWM} (V)	Maximum Reverse Surge Current I _{PP} (A)	Maximum Clamping Voltage @I _{PP} V _C (V)	Marking Code	
	Min. (V)	Max. (V)	I _T (mA)					UNI	BI
SMAJ110(C)A-HF	122.0	135.0	1	5	110.0	2.2	177.0	SE	VE
SMAJ120(C)A-HF	133.0	147.0	1	5	120.0	2.1	193.0	SG	VG
SMAJ130(C)A-HF	144.0	159.0	1	5	130.0	1.9	209.0	SK	VK
SMAJ150(C)A-HF	167.0	185.0	1	5	150.0	1.6	243.0	SM	VM
SMAJ160(C)A-HF	178.0	197.0	1	5	160.0	1.5	259.0	SP	VP
SMAJ170(C)A-HF	189.0	209.0	1	5	170.0	1.4	275.0	SR	VR
SMAJ180(C)A-HF	200.0	220.0	1	5	180.0	1.3	291.6	ST	VT
SMAJ200(C)A-HF	224.0	247.0	1	1	200.0	1.2	324.0	SV	VV
SMAJ220(C)A-HF	246.0	272.0	1	1	220.0	1.1	356.0	SX	VX
SMAJ250(C)A-HF	279.0	309.0	1	1	250.0	1.0	405.0	SZ	VZ

Rating and Characteristic Curves (SMAJ5.0(C)A-HF Thru. SMAJ250(C)A-HF)

Fig.1 - Pulse Derating Curve

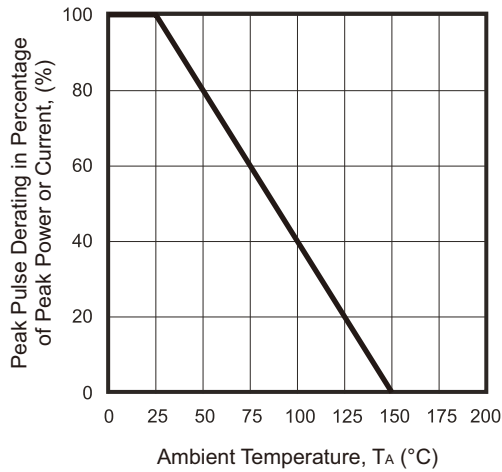


Fig.2 - Maximum Non-Repetitive Surge Current

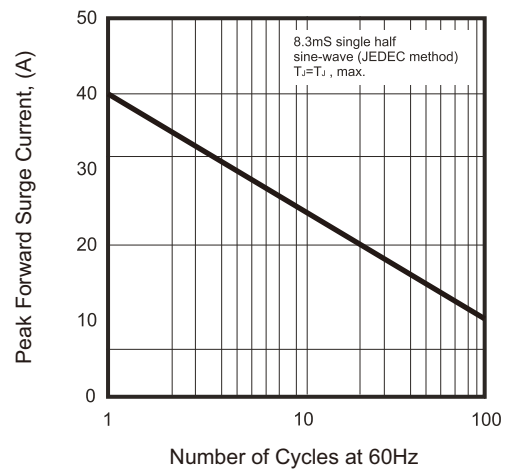


Fig.3 - Steady State Power Derating Curve

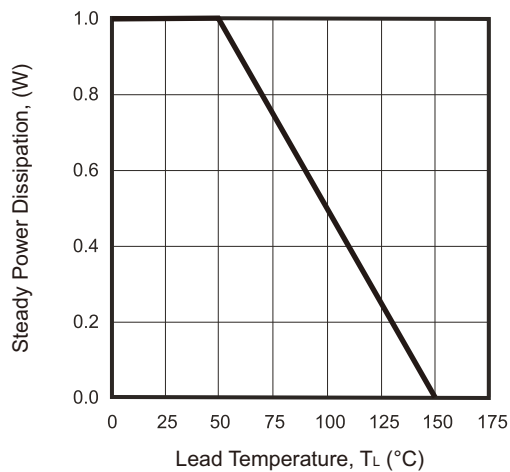


Fig.4 - Peak Pulse Power Rating Curve

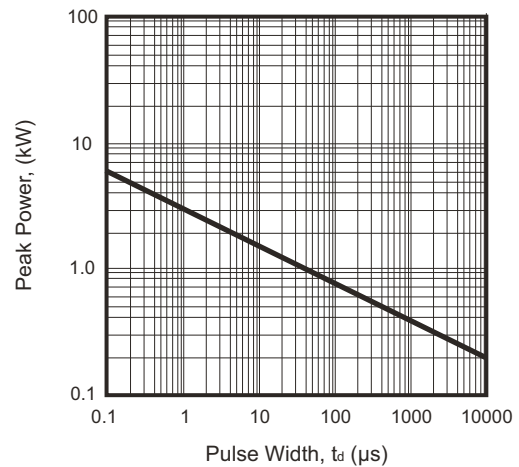
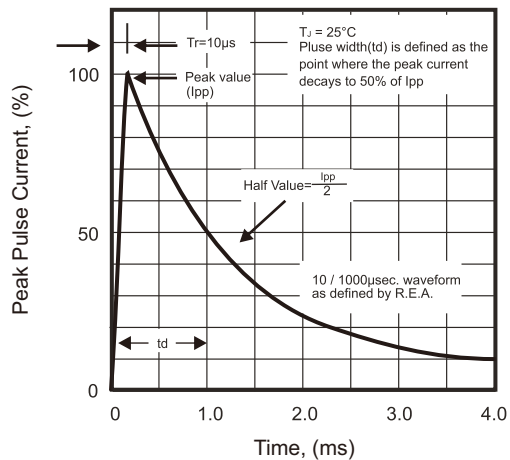
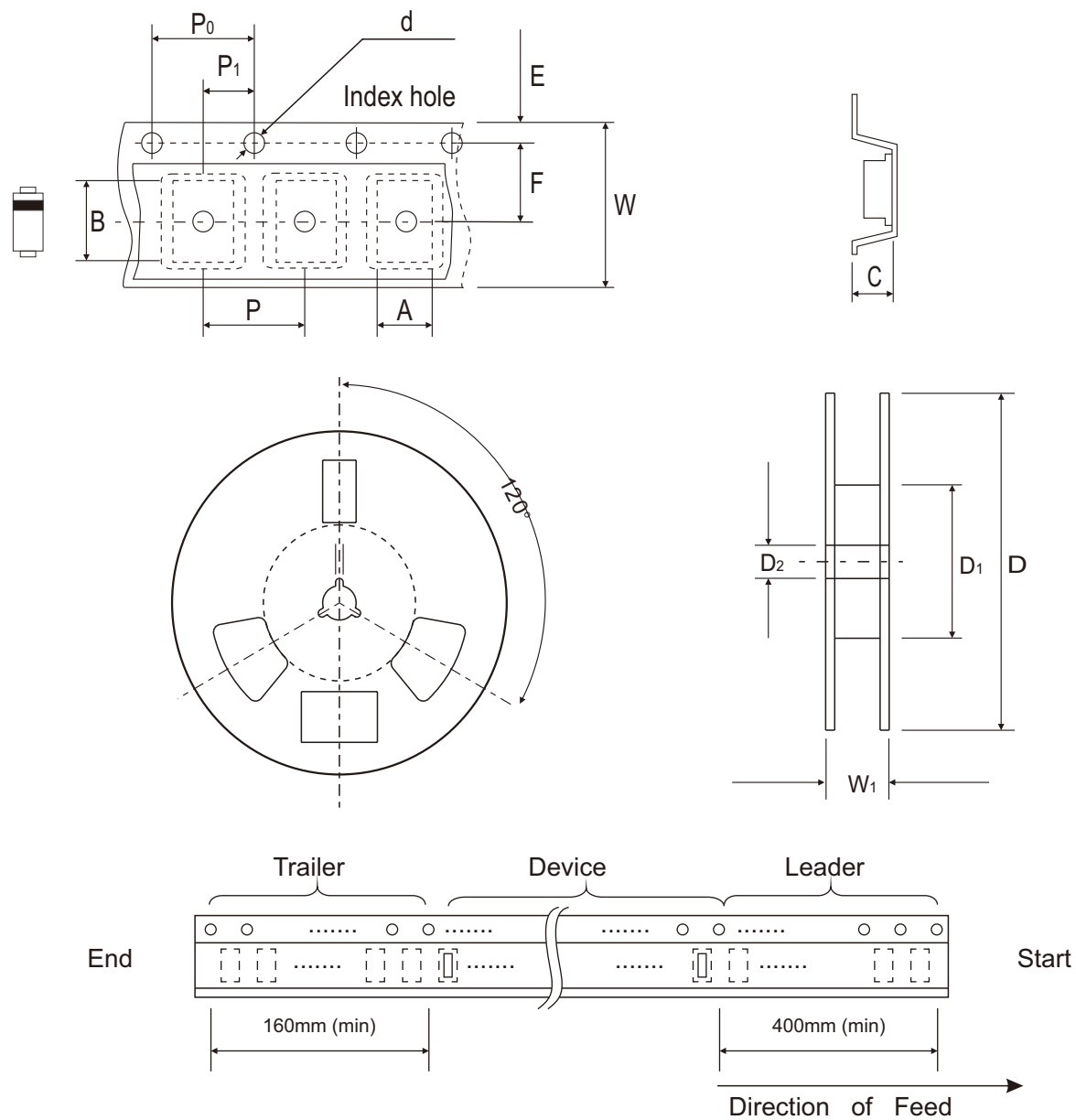


Fig.5 - Pulse Waveform



Reel Taping Specification

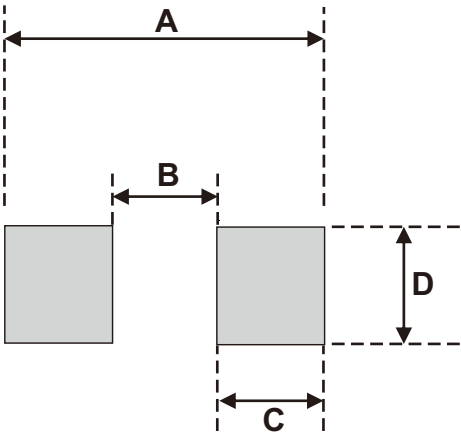


SMA/DO-214AC	SYMBOL	A	B	C	d	D	D1	D2
	(mm)	2.79 ± 0.10	5.33 ± 0.10	4.50 (max)	1.75 ± 0.10	330MAX	50.0 MIN.	13.0 ± 0.2
	(inch)	0.110 ± 0.004	0.210 ± 0.004	0.177 (max)	0.069 ± 0.004	13.00MAX	1.969 MIN.	0.512 ± 0.008

SMA/DO-214AC	SYMBOL	E	F	P	P0	P1	W	W1
	(mm)	1.75 ± 0.10	5.50 ± 0.05	4.00 ± 0.10	4.00 ± 0.10	2.00 ± 0.05	12.0 ± 0.30	18.4 MAX.
	(inch)	0.069 ± 0.004	0.216 ± 0.002	0.157 ± 0.004	0.157 ± 0.004	0.079 ± 0.002	0.472 ± 0.012	0.724 MAX

Suggested PAD Layout

SIZE	DO-214AC(SMA)	
	(mm)	(inch)
A	5.58	0.220
B	1.66	0.065
C	1.96	0.077
D	2.04	0.080



Standard Packaging

Case Type	REEL PACK	
	REEL (pcs)	Reel Size (inch)
SMA/DO-214AC	5,000	13