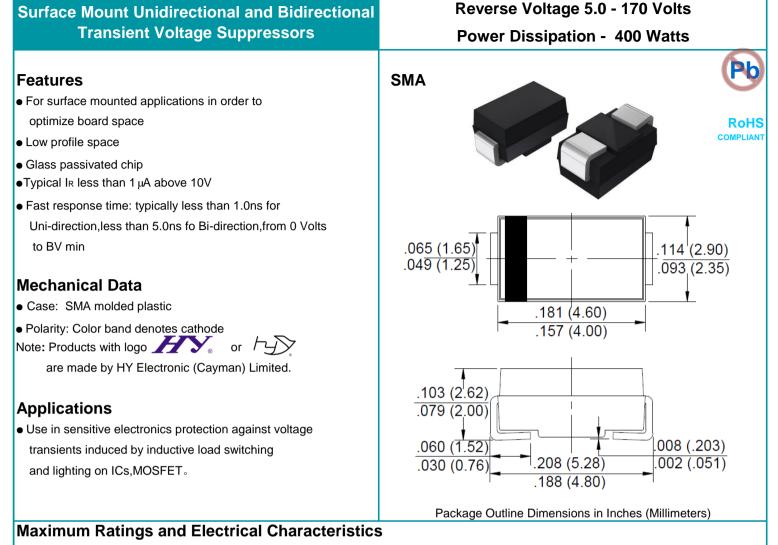


## **SMAJ SERIES**



Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

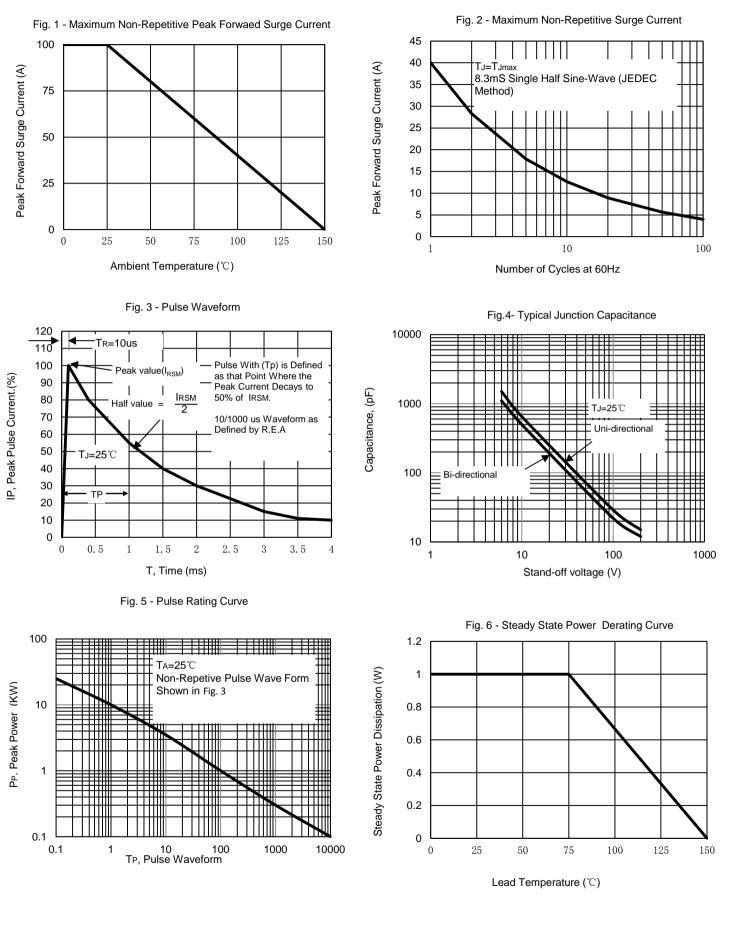
Symbol	Value	Unit
P <sub>PK</sub>	400	W
	40	
<sup>I</sup> FSM		
PM(AV)	1.0	W
Vr	3.5	
VF		
TJ	-55 to + 150	°C
Тѕтс	-55 to + 150	°C
	P <sub>PK</sub> I <sub>FSM</sub> PM(AV) VF TJ	P <sub>PK</sub> 400   I <sub>FSM</sub> 40   PM(AV) 1.0   VF 3.5   TJ -55 to + 150

Notes: 1. Non-repetitive current pulse ,per Fig. 3 and derated above TA=25  $^\circ\!\!{\rm C}$  per Fig. 1.

2. 8.3ms single half sine-wave duty cycle= 4 pulses per minutes maximum (uni-directional units only)

## Rating and Characteristic Curves SMAJ SERIES





The curve above is for reference only.

SMAJ\*-13-99-00/01 Rev. 11, 18-May-2020



## **SMAJ SERIES**

Device Uni-directional	Device Bi-directional	Working Peak Reverse Voltage				Maximum Clamping Voltage at Іррм	Maximum Peak Pulse Surge Current <sup>(3)</sup>	Maximum Reverse Leakage at Vrwm
		Vrwm (volts)	Min(V)	Max(V)	@ IT(mA)	Vc (V)	Іррм (А)	IR (µA)
SMAJ5.0A	SMAJ5.0CA	5.0	6.40	7.00	10	9.2	43.5	800/1600
SMAJ6.0A	SMAJ6.0CA	6.0	6.67	7.37	10	10.3	38.8	800/1600
SMAJ6.5A	SMAJ6.5CA	6.5	7.22	7.98	10	11.2	35.7	500/1000
SMAJ7.0A	SMAJ7.0CA	7.0	7.78	8.60	10	12.0	33.3	200/400
SMAJ7.5A	SMAJ7.5CA	7.5	8.33	9.21	1.0	12.9	31.0	100/200
SMAJ8.0A	SMAJ8.0CA	8.0	8.89	9.83	1.0	13.6	29.4	50/100
SMAJ8.5A	SMAJ8.5CA	8.5	9.44	10.40	1.0	14.4	27.7	10/20
SMAJ9.0A	SMAJ9.0CA	9.0	10.00	11.10	1.0	15.4	26.0	5/10
SMAJ10A	SMAJ10CA	10.0	11.10	12.30	1.0	17.0	23.5	5/10
SMAJ11A	SMAJ11CA	11.0	12.20	13.50	1.0	18.2	22.0	5.0
SMAJ12A	SMAJ12CA	12.0	13.30	14.70	1.0	19.9	20.1	5.0
SMAJ13A	SMAJ13CA	13.0	14.40	15.90	1.0	21.5	18.6	5.0
SMAJ14A	SMAJ14CA	14.0	15.60	17.20	1.0	23.2	17.2	5.0
SMAJ15A	SMAJ15CA	15.0	16.70	18.50	1.0	24.4	16.4	5.0
SMAJ16A	SMAJ16CA	16.0	17.80	19.70	1.0	26.0	15.3	5.0
SMAJ17A	SMAJ17CA	17.0	18.90	20.90	1.0	27.6	14.5	5.0
SMAJ18A	SMAJ18CA	18.0	20.00	22.10	1.0	29.2	13.7	5.0
SMAJ20A	SMAJ20CA	20.0	22.20	24.50	1.0	32.4	12.3	5.0
SMAJ22A	SMAJ22CA	22.0	24.40	26.90	1.0	35.5	11.2	5.0
SMAJ24A	SMAJ24CA	24.0	26.70	29.50	1.0	38.9	10.3	5.0
SMAJ26A	SMAJ26CA	26.0	28.90	31.90	1.0	42.1	9.5	5.0
SMAJ28A	SMAJ28CA	28.0	31.10	34.40	1.0	45.4	8.8	5.0
SMAJ30A	SMAJ30CA	30.0	33.30	36.80	1.0	48.4	8.3	5.0
SMAJ33A	SMAJ33CA	33.0	36.70	40.60	1.0	53.3	7.5	5.0
SMAJ36A	SMAJ36CA	36.0	40.0	44.2	1.0	58.1	6.9	5.0
SMAJ40A	SMAJ40CA	40.0	44.4	49.1	1.0	64.5	6.2	5.0
SMAJ43A	SMAJ43CA	43.0	47.8	52.8	1.0	69.4	5.7	5.0
SMAJ45A	SMAJ45CA	45.0	50.0	55.3	1.0	72.7	5.5	5.0
SMAJ48A	SMAJ48CA	48.0	53.3	58.9	1.0	77.4	5.2	5.0
SMAJ51A	SMAJ51CA	51.0	56.7	62.7	1.0	82.4	4.9	5.0
SMAJ54A	SMAJ54CA	54.0	60.0	66.3	1.0	87.1	4.6	5.0
SMAJ58A	SMAJ58CA	58.0	64.4	71.2	1.0	93.6	4.3	5.0
SMAJ60A	SMAJ60CA	60.0	66.7	73.7	1.0	96.8	4.1	5.0
SMAJ64A	SMAJ64CA	64.0	71.1	78.6	1.0	103.0	3.9	5.0
SMAJ70A	SMAJ70CA	70.0	77.8	86.0	1.0	113.0	3.5	5.0
SMAJ75A	SMAJ75CA	75.0	83.3	92.1	1.0	121.0	3.3	5.0
SMAJ78A	SMAJ78CA	78.0	86.7	95.8	1.0	121.0	3.2	5.0
SMAJ76A SMAJ85A	SMAJ85CA	85.0	94.4	104.0	1.0	137.0	2.9	5.0
SMAJ90A	SMAJ90CA	90.0	100.0	111.0		146.0	2.9	5.0
SMAJ90A SMAJ100A	SMAJ90CA SMAJ100CA	90.0	111.0	123.0	1.0 1.0	146.0	2.7	5.0
SMAJ100A SMAJ110A	SMAJ100CA SMAJ110CA	110.0	122.0	123.0	1.0	177.0	2.5	5.0
SMAJ120A	SMAJ120CA	120.0	133.0	147.0	1.0	193.0	2.0	5.0
SMAJ130A	SMAJ130CA	130.0	144.0	159.0	1.0	209.0	1.9	5.0
SMAJ150A	SMAJ150CA	150.0	167.0	185.0	1.0	243.0	1.6	5.0
SMAJ160A	SMAJ160CA SMAJ170CA	160.0 170.0	178.0	197.0	1.0	259.0	1.5	5.0
SMAJ170A	SIVIAJITUCA	170.0	189.0	209.0	1.0	275.0	1.4	5.0

Notes: 1. For bidirectional use CA suffix for types SMAJ5.0CA thru types SMAJ170CA

2. Electrical characteristics apply in both directions.

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