

VISHAY Transient Voltage Suppressors

RoHS Compliant This product is RoHS compliant.

VISHAY SMAJ SERIES 400 WATT

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional		Bidirectional			(V) Min.	(V) Max.	(mA)			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
Surface Mount										
625—SMAJ5.0A-E3	625—SMAJ5.0CA-E3	DO-214AC	6.40	7.07	10	5.00	43.5	9.2		
625—SMAJ6.0A-E3	625—SMAJ6.0CA-E3	DO-214AC	6.67	7.37	10	6.00	38.8	10.3		
625—SMAJ6.5A-E3	625—SMAJ6.5CA-E3	DO-214AC	7.22	7.98	10	6.50	35.7	11.2		
625—SMAJ7.0A-E3	625—SMAJ7.0CA-E3	DO-214AC	7.78	8.60	10	7.00	33.3	12.0		
625—SMAJ7.5A-E3	625—SMAJ7.5CA-E3	DO-214AC	8.33	9.21	1	7.50	31.0	12.9		
625—SMAJ8.0A-E3	625—SMAJ8.0CA-E3	DO-214AC	8.89	9.83	1	8.00	29.4	13.6		
625—SMAJ8.5A-E3	625—SMAJ8.5CA-E3	DO-214AC	9.44	10.40	1	8.50	27.8	14.4		
625—SMAJ9.0A-E3	625—SMAJ9.0CA-E3	DO-214AC	10.00	11.10	1	9.00	26.0	15.4		
625—SMAJ10A-E3	625—SMAJ10CA-E3	DO-214AC	11.10	12.30	1	11.00	23.5	17.0		
625—SMAJ12A-E3	625—SMAJ12CA-E3	DO-214AC	13.30	14.70	1	12.00	20.1	19.9		
625—SMAJ13A-E3	625—SMAJ13CA-E3	DO-214AC	14.40	15.90	1	13.00	18.6	21.5		
625—SMAJ14A-E3	625—SMAJ14CA-E3	DO-214AC	15.60	17.20	1	14.00	17.2	23.2		
625—SMAJ15A-E3	625—SMAJ15CA-E3	DO-214AC	16.70	18.50	1	15.00	16.4	24.4		
625—SMAJ16A-E3	625—SMAJ16CA-E3	DO-214AC	17.80	19.70	1	16.00	15.4	26.0		
625—SMAJ18A-E3	625—SMAJ18CA-E3	DO-214AC	20.00	22.10	1	18.00	13.7	29.2		
625—SMAJ20A-E3	625—SMAJ20CA-E3	DO-214AC	22.20	24.50	1	20.00	12.3	32.4		
625—SMAJ22A-E3	625—SMAJ22CA-E3	DO-214AC	24.40	26.90	1	22.00	11.3	35.5		
625—SMAJ24A-E3	625—SMAJ24CA-E3	DO-214AC	26.70	29.50	1	24.00	10.3	38.9		
625—SMAJ26A-E3	625—SMAJ26CA-E3	DO-214AC	28.90	31.90	1	26.00	9.5	42.1		
625—SMAJ28A-E3	625—SMAJ28CA-E3	DO-214AC	31.10	34.40	1	28.00	8.8	45.4		
625—SMAJ30A-E3	625—SMAJ30CA-E3	DO-214AC	33.30	36.80	1	30.00	8.3	48.4		
625—SMAJ33A-E3	625—SMAJ33CA-E3	DO-214AC	36.70	40.60	1	33.00	7.5	53.3		
625—SMAJ36A-E3	625—SMAJ36CA-E3	DO-214AC	40.00	44.20	1	36.00	6.9	58.1		
625—SMAJ40A-E3	625—SMAJ40CA-E3	DO-214AC	44.40	49.10	1	40.00	6.2	64.5		
625—SMAJ43A-E3	625—SMAJ43CA-E3	DO-214AC	47.80	52.80	1	43.00	5.8	69.4		
625—SMAJ45A-E3	625—SMAJ45CA-E3	DO-214AC	50.00	55.30	1	45.00	5.5	72.7		
625—SMAJ48A-E3	625—SMAJ48CA-E3	DO-214AC	53.30	58.90	1	48.00	5.2	77.4		
625—SMAJ51A-E3	625—SMAJ51CA-E3	DO-214AC	56.70	62.70	1	51.00	4.9	82.4		
625—SMAJ54A-E3	625—SMAJ54CA-E3	DO-214AC	60.00	66.30	1	54.00	4.6	87.1		
625—SMAJ58A-E3	625—SMAJ58CA-E3	DO-214AC	64.40	71.20	1	58.00	4.3	93.6		
625—SMAJ60A-E3	625—SMAJ60CA-E3	DO-214AC	66.70	73.70	1	60.00	4.1	96.8		
625—SMAJ64A-E3	625—SMAJ64CA-E3	DO-214AC	71.10	78.60	1	64.00	3.9	103.0		
625—SMAJ70A-E3	625—SMAJ70CA-E3	DO-214AC	77.80	86.00	1	70.00	3.5	113.0		
625—SMAJ75A-E3	625—SMAJ75CA-E3	DO-214AC	83.30	92.10	1	75.00	3.3	121.0		
625—SMAJ78A-E3	625—SMAJ78CA-E3	DO-214AC	86.70	95.80	1	78.00	3.2	126.0		
625—SMAJ85A-E3	625—SMAJ85CA-E3	DO-214AC	94.40	104.00	1	85.00	2.2	137.0		
625—SMAJ90A-E3	625—SMAJ90CA-E3	DO-214AC	100.00	111.00	1	90.00	2.1	146.0		
625—SMAJ100A-E3	625—SMAJ100CA-E3	DO-214AC	111.00	123.00	1	100.00	1.9	162.0		
625—SMAJ120A-E3	625—SMAJ120CA-E3	DO-214AC	133.00	163.00	1	120.00	1.4	214.0		
625—SMAJ150A-E3	625—SMAJ150CA-E3	DO-214AC	167.00	185.00	1	150.00	1.2	243.0		
625—SMAJ170A-E3	625—SMAJ170CA-E3	DO-214AC	189.00	209.00	1	170.00	1.09	275.0		
625—SMAJ530-E3	-----	DO-214AC	530.00	-----	0.1	447.00	-----	-----		
625—SMAJ550-E3	-----	DO-214AC	550.00	-----	0.1	495.00	-----	-----		

VISHAY TPSMP SERIES 400 WATT [EXCEPT 6.8V (250 WATT) AND 7.5V (300 WATT)]

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional		Bidirectional			(V) Min.	(V) Max.	(mA)			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
Surface Mount										
625—TPSMP6.8AHE3	-----	DO-220AA	6.45	7.14	10	5.80	23.8	10.5		
625—TPSMP7.5AHE3	-----	DO-220AA	7.13	7.88	10	6.40	26.5	11.3		
625—TPSMP13AHE3	-----	DO-220AA	12.40	13.70	1	11.10	22.0	18.2		
625—TPSMP15AHE3	-----	DO-220AA	14.30	15.80	1	12.80	18.9	21.2		
625—TPSMP16AHE3	-----	DO-220AA	15.20	16.80	1	13.60	17.8	22.5		
625—TPSMP18AHE3	-----	DO-220AA	17.10	18.90	1	15.30	15.9	25.5		
625—TPSMP20AHE3	-----	DO-220AA	19.00	21.00	1	17.10	14.4	27.7		
625—TPSMP22AHE3	-----	DO-220AA	20.90	23.10	1	18.80	13.1	30.6		
625—TPSMP24AHE3	-----	DO-220AA	22.80	25.20	1	20.50	12.0	33.2		
625—TPSMP27AHE3	-----	DO-220AA	25.70	28.40	1	23.10	10.7	37.5		
625—TPSMP30AHE3	-----	DO-220AA	28.50	31.50	1	25.60	9.7	41.4		
625—TPSMP33AHE3	-----	DO-220AA	31.40	34.70	1	28.20	8.8	45.7		
625—TPSMP36AHE3	-----	DO-220AA	34.20	37.80	1	30.80	8.0	49.9		
625—TPSMP39AHE3	-----	DO-220AA	37.10	41.00	1	33.30	7.4	53.9		
625—TPSMP43AHE3	-----	DO-220AA	40.90	45.20	1	36.80	6.7	59.3		

VISHAY SMBJ SERIES 600 WATT

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional		Bidirectional			(V) Min.	(V) Max.	(mA)			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
Surface Mount										
625—SMBJ3V3-E3	-----	DO-214AA	4.10	-----	1	3.30	7.3	10.3		
625—SMBJ5.0A-E3	625—SMBJ5.0CA-E3	DO-214AA	6.40	7.07	10	5.00	65.2	9.2		
625—SMBJ6.0A-E3	625—SMBJ6.0CA-E3	DO-214AA	6.67	7.37	10	6.00	58.3	10.3		
625—SMBJ6.5A-E3	625—SMBJ6.5CA-E3	DO-214AA	7.22	7.98	10	6.50	53.6	11.2		
625—SMBJ7.0A-E3	625—SMBJ7.0CA-E3	DO-214AA	7.78	8.60	10	7.00	50.0	12.0		
625—SMBJ7.5A-E3	625—SMBJ7.5CA-E3	DO-214AA	8.33	9.21	1	7.50	46.5	12.9		
625—SMBJ8.0A-E3	625—SMBJ8.0CA-E3	DO-214AA	8.89	9.83	1	8.00	44.1	13.6		
625—SMBJ8.5A-E3	625—SMBJ8.5CA-E3	DO-214AA	9.44	10.40	1	8.50	41.7	14.4		
625—SMBJ9.0A-E3	625—SMBJ9.0CA-E3	DO-214AA	10.00	11.10	1	9.00	39.0	15.4		
625—SMBJ10A-E3	625—SMBJ10CA-E3	DO-214AA	11.10	12.30	1	10.00	35.3	17.0		
625—SMBJ11A-E3	625—SMBJ11CA-E3	DO-214AA	12.20	13.50	1	11.00	33.0	18.2		

For quantities of 2000 and up, call for quote.

Series	Type	Voltage Range	Price Each			
			1	100	500	1000
SMAJ	Unidirectional	5.0 - 170				
SMAJ	Bidirectional	5.0 - 170				
SMAJ	Unidirectional	530 - 550				
TPSMP	Unidirectional	6.8 - 7.5				
TPSMP	Unidirectional	13 - 43				
SMBJ	Unidirectional	3.3 - 8.0				
SMBJ	Bidirectional	5.0 - 8.0				
SMBJ	Unidirectional	8.5 - 11				
SMBJ	Bidirectional	8.5 - 11				

