

Transient Voltage Suppressors

Microsemi
ANALOG, DISCRETE, AND SPECIALTY

Part Number	Microsemi Division	Package Outline	Type	ML Spec	Data Sheet ID	Ppp (W)	Pulse Type	Vwm (V)	Ipp (A)	VBR (V)	Vc (V)	ID (uA)	Tol. (%)
TVS305	Watertown	A	STD		16568	150	1	5	17	6	8.7	50	
TVS305SM	Watertown	A SQ. MELF	SM		16569	150	1	5	17	6	8.7	50	
TVS310	Watertown	A	STD		16560	150	1	10	8.9	11.1	16.8	2	
TVS310SM	Watertown	A SQ. MELF	SM		16570	150	1	10	8.9	11.1	16.8	2	
TVS312	Watertown	A	STD		16561	150	1	12	8.9	13.8	21	1	
TVS312SM	Watertown	A SQ. MELF	SM		16571	150	1	12	8.9	13.8	21	1	
TVS315	Watertown	A	STD		16562	150	1	15	7.1	16.7	25	1	
TVS315SM	Watertown	A SQ. MELF	SM		16572	150	1	15	7.1	16.7	25	1	
TVS318	Watertown	A	STD		16563	150	1	18	4.9	20.4	31	1	
TVS318SM	Watertown	A SQ. MELF	SM		16573	150	1	18	4.9	20.4	31	1	
TVS324	Watertown	A	STD		16564	150	1	24	3.6	28.4	42	1	
TVS324SM	Watertown	A SQ. MELF	SM		16574	150	1	24	3.6	28.4	42	1	
TVS328	Watertown	A	STD		16565	150	1	28	3.2	30.7	46	1	
TVS328SM	Watertown	A SQ. MELF	SM		16575	150	1	28	3.2	30.7	46	1	
TVS348	Watertown	A	STD		16566	150	1	48	1.7	54	82	1	
TVS348SM	Watertown	A SQ. MELF	SM		16576	150	1	48	1.7	54	82	1	
TVS360	Watertown	A	STD		16567	150	1	60	1.4	67	105	1	
TVS360SM	Watertown	A SQ. MELF	SM		16577	150	1	60	1.4	67	105	1	
TVS410	Watertown	A	STD		16578	150	1	100	0.91	111	160	1	
TVS410SM	Watertown	A SQ. MELF	SM		16579	150	1	100	0.91	111	160	1	
TVS420	Watertown	A	STD		16580	150	1	200	0.42	234	360	1	
TVS420SM	Watertown	A SQ. MELF	SM		16581	150	1	200	0.42	234	360	1	
TVS430	Watertown	A	STD		16582	150	1	300	0.28	342	520	1	
TVS430SM	Watertown	A SQ. MELF	SM		16583	150	1	300	0.28	342	520	1	
TVSP3K3.0	Santa Ana	A	STD		16598	300	1	3	50	4.3	6	1500	
TVSP3K3.0SM	Santa Ana	A SQ. MELF	SM		16599	300	1	3	50	4.3	6	1500	
TVSP3K3.3	Santa Ana	A	STD		16600	300	1	3.3	46.1	4.6	6.5	700	
TVSP3K3.3SM	Santa Ana	A SQ. MELF	SM		16601	300	1	3.3	46.1	4.6	6.5	700	
TVSP3K4.0	Santa Ana	A	STD		16602	300	1	4	42.2	5	7.1	100	
TVSP3K4.0SM	Santa Ana	A SQ. MELF	SM		16603	300	1	4	42.2	5	7.1	100	
TVSP3K4.5	Santa Ana	A	STD		16604	300	1	4.5	37.5	5.4	8	30	
TVSP3K4.5SM	Santa Ana	A SQ. MELF	SM		16605	300	1	4.5	37.5	5.4	8	30	
TVSP3K5.0	Santa Ana	A	STD		16606	300	1	5	32.6	5.9	9.2	5	
TVSP3K5.0SM	Santa Ana	A SQ. MELF	SM		16607	300	1	5	32.6	5.9	9.2	5	
USB0805C	Scottsdale	SOIC8	SM		24197	300	2	5		6	12.5	0.5	
P4KE6.8	Scottsdale	DO-41	STD		13537	400	1	5.5	37	6.12	10.8	500	10
P4KE6.8A	Scottsdale	DO-41	STD		13538	400	1	5.8	38	6.45	10.5	500	5
P4KE7.5	Scottsdale	DO-41	STD		13549	400	1	6.05	34	6.75	11.7	200	10
P4KE7.5A	Scottsdale	DO-41	STD		13550	400	1	6.4	35	7.13	11.3	200	5
P4KE8.2	Scottsdale	DO-41	STD		13557	400	1	6.63	32	7.38	12.5	100	10
P4KE8.2A	Scottsdale	DO-41	STD		13558	400	1	7.02	33	7.79	12.1	100	5
P4KE9.1	Scottsdale	DO-41	STD		13565	400	1	7.37	29	8.19	13.8	20	10
P4KE9.1A	Scottsdale	DO-41	STD		13566	400	1	7.78	30	8.65	13.4	20	5
P4KE10	Scottsdale	DO-41	STD		13405	400	1	8.1	27	9	15	20	10

TVS

Section Organization: TVS Parametric Section is organized by ascending Ppp (watts), followed by ascending Vwm (volts)

Part Specifics Notes:

1. Pulse Width is specified as type: 1) 10/1000usec, 2) 8/20 usec, or 3) 150 nsec.

General Notes:

1. Information on contacting Microsemi Divisions can be obtained on the back cover of this catalog
2. Type specifies "STD" - Standard, "SM" - Surface Mount, "DIE" - Die Form
3. Datasheets can be obtained from Microsemi's Website or Fax on Demand System by specifying the Data Sheet ID

Fax On Demand (800) 713-4113

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<http://www.microsemi.com>