



MIL-DTL-38999 Series III Type TVS Connectors

TVS Selection Chart

Table III: TVS Selection Chart

Diode Voltage Code	Reverse Standoff Voltage (V)	Breakdown Voltage (V)		Max Reverse Leakage (Ua)			Test Current (mA)	Maximum Clamping Voltage (V)	Diode Availability		
		Min	Max	1,500W	3,000W	5,000W			1,500W	3,000W	5,000W
5.0	5.0	6.40	7.00	800	800	N/A	10	9.2	X	X	
6.0	6.0	6.67	7.37	800	800	N/A	10	10.3	X	X	
6.5	6.5	7.22	7.98	500	500	N/A	10	11.2	X	X	
7.0	7.0	7.78	8.60	200	200	N/A	10	12.0	X	X	
7.5	7.5	8.33	9.21	100	100	N/A	1	12.9	X	X	
8.0	8.0	8.89	9.83	50	50	N/A	1	13.6	X	X	
8.5	8.5	9.44	10.40	20	20	N/A	1	14.4	X	X	
9.0	9.0	10.00	11.10	10	10	N/A	1	15.4	X	X	
10	10.0	11.10	12.30	5	5	N/A	1	17.0	X	X	
11	11.0	12.20	13.50	1	2	N/A	1	18.2	X	X	
12	12.0	13.30	14.70	1	2	800	1*	19.9	X	X	X
13	13.0	14.40	15.90	1	2	500	1*	21.5	X	X	X
14	14.0	15.60	17.20	1	2	200	1*	23.2	X	X	X
15	15.0	16.70	18.50	1	2	100	1	24.4	X	X	X
16	16.0	17.80	19.70	1	2	50	1	26.0	X	X	X
17	17.0	18.90	20.90	1	2	20	1	27.6	X	X	X
18	18.0	20.00	22.10	1	2	10	1	29.2	X	X	X
20	20.0	22.20	24.50	1	2	5	1	32.4	X	X	X
22	22.0	24.40	26.90	1	2	5	1	35.5	X	X	X
24	24.0	26.70	29.50	1	2	5	1	38.9	X	X	X
26	26.0	28.90	31.90	1	2	5	1	42.1	X	X	X
28	28.0	31.10	34.40	1	2	5	1	45.4	X	X	X
30	30.0	33.30	36.80	1	2	5	1	48.4	X	X	X
33	33.0	36.70	40.60	1	2	5	1	53.3	X	X	X
36	36.0	40.00	44.20	1	2	5	1	58.1	X	X	X
40	40.0	44.40	49.10	1	2	5	1	64.5	X	X	X
43	43.0	47.80	52.80	1	2	5	1	69.4	X	X	X
45	45.0	50.00	55.30	1	2	5	1	72.7	X	X	X
48	48.0	53.30	58.90	1	2	5	1	77.4	X	X	X
51	51.0	56.70	62.70	1	2	5	1	82.4	X	X	X
54	54.0	60.00	66.30	1	2	5	1	87.1	X	X	X
58	58.0	64.40	71.20	1	2	5	1	93.6	X	X	X
60	60.0	66.70	73.70	1	2	5	1	96.8	X	X	X
64	64.0	71.10	78.60	1	2	5	1	103.0	X	X	X
70	70.0	77.80	86.00	1	2	5	1	113.0	X	X	X
75	75.0	83.30	92.10	1	2	5	1	121.0	X	X	X
78	78.0	86.70	95.80	1	2	5	1	126.0	X	X	X
85	85.0	94.40	104.00	1	2	5	1	137.0	X	X	X
90	90.0	100.00	111.00	1	2	5	1	146.0	X	X	X
100	100.0	111.00	123.00	1	2	5	1	162.0	X	X	X
110	110.0	122.00	135.00	1	2	5	1	177.0	X	X	X
120	120.0	133.00	147.00	1	2	5	1	193.0	X	X	X
130	130.0	144.00	159.00	1	2	5	1	209.0	X	X	X
150	150.0	167.00	185.00	1	2	5	1	243.0	X	X	X
160	160.0	178.00	197.00	1	2	5	1	259.0	X	X	X
170	170.0	189.00	209.00	1	2	5	1	275.0	X	X	X
180	180.0	201.00	222.00	1	N/A	N/A	1	292.0	X		
200	200.0	224.00	247.00	1	N/A	N/A	1	324.0	X		
220	220.0	246.00	272.00	1	N/A	N/A	1	356.0	X		
250	250.0	279.00	309.00	1	N/A	N/A	1	405.0	X		
300	300.0	335.00	371.00	1	N/A	N/A	1	486.0	X		
350	350.0	391.00	432.00	1	N/A	N/A	1	567.0	X		
400	400.0	447.00	494.00	1	N/A	N/A	1	648.0	X		
440	440.0	492.00	543.00	1	N/A	N/A	1	713.0	X		

*Indicated test current is to be 10mA for 5,000W devices only.

Dimensions in inches (millimeters) and are subject to change without notice.

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