STC A POWERHOUSE

27 Katrina Road
Chelmsford, MA 01824
Tel: (978)256-3321
Fax: (978)250-1046
Web: www.stcsemi.com

Transient Suppressors

STC offers a complete line of unipolar and bipolar 1500-watt transient suppressors. All devices are available as JAN, JANTX, or JANTXV to MIL-PRF-19500/500 or 507.

Unipolar Suppressors 1N5555-1N5558, 1N5907

1500 Watt Peak Power @ 1mSec Pulse Width
1 Pico Second Response ($1x10^{-12}$ Sec)
1-Watt DC Power @ 75°C Lead Temperature
Hermetic DO-13 Package
Available as JAN, JANTX, JANTXV per Mil-Prf-19500/500

Part Number	Min. Vbr @ Ibr *(V dc)*	Nom. Vbr @ Ibr *(V dc)*	Max. Vbr @ Ibr *(V dc)*	Test Current (Ibr) *(mA dc)*	Working Peak Reverse Voltage (Vwvm) *(V(pk))*	Max. Reverse Current (Ir) *(uA dc)*	Max. Clamping Voltage Vc @ Ipp for tp = 1mS *(V(pk))*	Max. Peak Pulse Current tp= 20uS tr = 8uS *(A(pk))*	Max. Peak Pulse Current tp = 1mS tr = 10uS *(A(pk))*	Max. Temp. Coefficient of Vbr *(%/°C)*	Min. Break-Down Voltage at Ibr -55C *(V dc)*	Break-down Current (Ibr) *(mA dc)*
1N5555	33.0	34.7	---	1.0	30.5	5	47.5	193	32.0	0.093	30.2	27.0
1N5556	43.7	46	---	1.0	40.3	5	63.5	136	24.0	.094	40.0	21.0
1N5557	54.0	56.8	---	1.0	49.0	5	78.5	116	19.0	.096	48.5	16.0
1N5558	191	201	---	1.0	175	5	265	33	5.70	.100	172	4.50
1N5907	6.00	6.35	6.75	1.0	5.00	300	10.0	1000	150.0	.057	5.63	140

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Transient Suppressors

Unipolar Suppressors 1N5629A-1N5665A

1500 Watt Peak Power @ 1mSec Pulse Width
1 Pico Second Response ($1x10^{-12}$ Sec)
1-Watt DC Power @ 75°C Lead Temperature
Hermetic DO-13 Package
Available as JAN, JANTX, JANTXV per Mil-Prf-19500/500

Part Number	Min. Vbr @ Ibr *(V dc)*	Nom. Vbr @ Ibr *(V dc)*	Max. Vbr @ Ibr *(V dc)*	Test Current (Ibr) *(mA dc)*	Working Peak Reverse Voltage (Vwvm) *(V(pk))*	Max. Reverse Current (Ir) *(uA dc)*	Max. Clamping Voltage Vc @ Ipp for tp = 1mS *(V(pk))*	Max. Peak Pulse Current tp= 20uS tr = 8uS *(A(pk))*	Max. Peak Pulse Current tp = 1mS tr = 10uS *(A(pk))*	Max. Temp. Coefficient of Vbr *(%/oC)*	Min. Break-Down Voltage at Ibr -55C *(V dc)*	Break-down Current (Ibr) *(mA dc)*
1N5629A	6.45	6.8	7.14	10	5.80	1000	10.5	810	143.0	0.057	6.05	140
1N5630A	7.13	7.5	7.88	10	6.40	500	11.3	750	132.0	.061	6.66	125
1N5631A	7.79	8.2	8.61	10	7.02	200	12.1	700	124.0	.065	7.24	115
1N5632A	8.65	9.1	9.55	1	7.78	50	13.4	630	112.0	.068	8.01	104
1N5633A	9.50	10	10.50	1	8.55	10	14.5	585	103.5	.073	8.75	95.0
1N5634A	10.5	11	11.6	1	9.40	5	15.6	545	96.0	.075	9.65	86.0
1N5635A	11.4	12	12.6	1	10.2	5	16.7	510	90.0	.078	10.4	73.0
1N5636A	12.4	13	13.7	1	11.1	5	18.2	465	82.0	.081	11.3	70.0
1N5637A	14.3	15	15.8	1	12.8	5	21.2	400	71.0	.084	13	63.0
1N5638A	15.2	16	16.8	1	13.6	5	22.5	375	67.0	.086	13.7	59.0
1N5639A	17.1	18	18.9	1	15.3	5	25.2	335	59.5	.088	15.4	53.0
1N5640A	19.0	20	21.0	1	17.1	5	27.7	305	54.0	.090	17.1	47.0
1N5641A	20.9	22	23.1	1	18.8	5	30.6	275	49.0	.092	18.8	43.0
1N5642A	22.8	24	25.2	1	20.5	5	33.2	255	45.0	.094	20.5	39.0
1N5643A	25.7	27	28.4	1	23.1	5	37.5	225	40.0	.096	23.0	35.0
1N5644A	28.5	30	31.5	1	25.6	5	41.4	205	36.0	.097	23.5	31.0
1N5645A	31.4	33	34.7	1	28.2	5	45.7	185	33.0	.098	28.0	28.0
1N5646A	34.2	36	37.8	1	30.8	5	49.9	170	30.0	.099	30.5	26.0
1N5647A	37.1	39	41.0	1	33.3	5	53.9	155	28.0	.100	33.1	24.0
1N5648A	40.9	43	45.2	1	36.8	5	59.3	145	25.3	.101	36.4	22.0
1N5649A	44.7	47	49.4	1	40.2	5	64.8	130	23.2	.101	39.8	20.0
1N5650A	48.5	51	53.6	1	43.6	5	70.1	120	21.4	.102	43.1	18.0
1N5651A	53.2	56	58.8	1	47.8	5	77.0	110	19.5	.103	47.3	17.0
1N5652A	58.9	62	65.1	1	53.0	5	85.0	100	17.7	.104	52.3	15.0
1N5653A	64.5	68	71.4	1	58.1	5	92.0	90	16.3	.104	57.3	14.0
1N5654A	71.3	75	78.8	1	64.1	5	103.0	82	14.6	.105	63.2	12.0
1N5655A	77.9	82	86.1	1	70.1	5	113.0	75	13.3	.105	69.0	11.0
1N5656A	86.5	91	95.5	1	77.8	5	125.0	68	12.0	.106	76.5	10.0
1N5657A	95.0	100	105	1	85.5	5	137	62	11.0	.106	84.1	9.5
1N5658A	105	110	116	1	94.0	5	152	55	9.9	.107	92.8	8.5
1N5659A	114	120	126	1	102	5	165	50	9.1	.107	100	7.5
1N5660A	124	130	137	1	111	5	179	47	8.4	.107	109	7.0
1N5661A	143	150	158	1	128	5	207	40	7.2	.108	126	6.0
1N5662A	152	160	168	1	136	5	219	38	6.8	.108	134	5.8
1N5663A	162	170	179	1	145	5	234	36	6.4	.108	143	5.5
1N5664A	171	180	189	1	154	5	246	34	6.1	.108	151	5.0
1N5665A	190	200	210	1	171	5	274	30	5.5	.108	167	4.5