

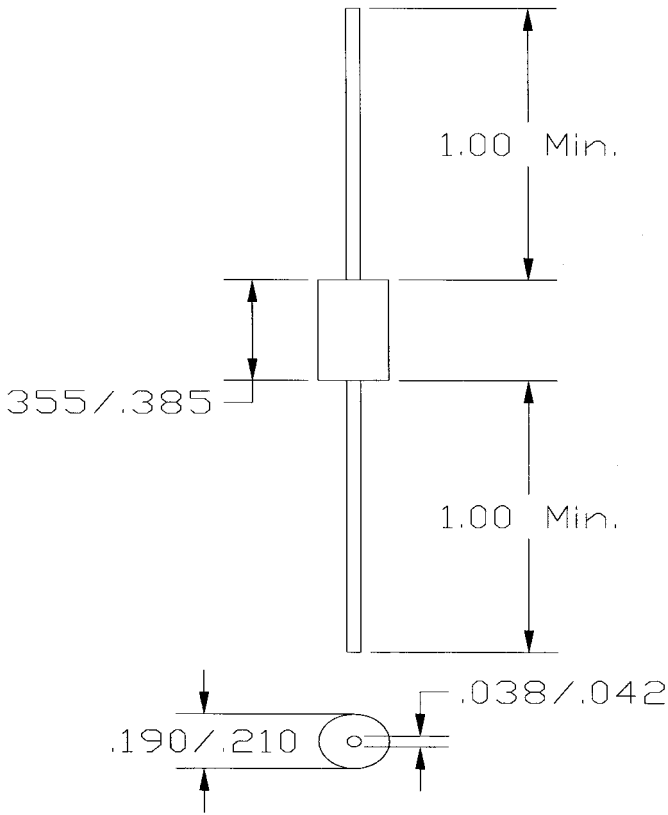


SUSSEX

SEMICONDUCTOR, INC.

12251 TOWNE LAKE DRIVE, FORT MYERS, FLORIDA, 33913 • TEL: (239) 768-6800 • FAX: (239) 768-6868

**ULC15 SERIES
ULTRA-LOW CAPACITANCE
1500 WATT TRANSIENT
SUPPRESSOR SPECIFICATIONS**



All Dimensions In Inches

◆ ULC15 SERIES TRANSIENT SUPPRESSORS

◆ VOLTAGES - 6.8+

◆ 1500 WATT MAXIMUM POWER DISSIPATION

ULC SERIES ULTRA LOW CAPACITANCE DEVICE SPECIFICATIONS

- ◆ Built With Sussex Glass Passivated Dies
- ◆ Each Device Individually Inspected
- ◆ Molded Epoxy Package
- ◆ Polarity Indicated By Solvent Resistant Marking
- ◆ Operating Temperature: -55 to 175°C
- ◆ Storage Temperature: -55 to 175°C
- ◆ Marked With Sussex Logo, Part Number, and Cathode Band
- ◆ Silver Plated Leads, Solderable Per MIL-STD-750

For additional information and to request a quote call the factory at (239) 768-6800.

CUSTOM ORDERING SPECIFIER

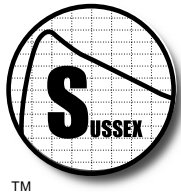
DIE SPECIFICATIONS

ULC15-

DEVICE PART NUMBER

STANDOFF VOLTAGE

- ◆ BLANK INDICATES UNIPOLAR DEVICE $\pm 10\%$ ON V_{BR}
- ◆ A INDICATES UNIPOLAR DEVICE $\pm 5\%$ ON V_{BR}



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SUPPRESSOR SPECIFICATIONS

TABLE 5A - LCE SERIES TRANSIENT SUPPRESSOR ELECTRICAL SPECIFICATIONS (NOTE 1)

INDUSTRY STANDARD PART NUMBER	STANDOFF VOLTAGE (V _{SO}) Volts	MAX. REVERSE LEAKAGE (I _R)@ V _{SO} µA	REVERSE BREAKDOWN VOLTAGE (V _{BR}) @ I _T		TEST CURRENT (I _T) mA	MAX. CLAMPING VOLTAGE (V _{CL}) @ PEAK PULSE CURRENT (I _{PP}) (NOTE 2)		MAX CAPACITANCE @ 0 VOLTS Pf
			MIN. Volts	MAX. Volts		V _{CL} Volts	I _{PP} Amps	
ULC15-33A	33	5	36.7	40.6	1	53.3	28.1	35
ULC15-36	36	5	40	48.9	1	64.3	23.3	35
ULC15-36A	36	5	40	44.2	1	58.1	25.8	35
ULC15-40	40	5	44.4	54.3	1	71.4	21	35
ULC15-40A	40	5	44.4	49.1	1	64.5	23.3	35
ULC15-43	43	5	47.8	58.4	1	76.7	19.5	35
ULC15-43A	43	5	48.8	52.8	1	69.4	21.6	35
ULC15-45	45	5	50	61.1	1	80.3	18.7	35
ULC15-45A	45	5	50	55.3	1	72.7	20.6	35
ULC15-48	48	5	53	65.1	1	85.5	17.5	35
ULC15-48A	48	5	53	58.9	1	77.4	19.4	35
ULC15-51	51	5	56.7	69.3	1	91.1	16.5	35
ULC15-51A	51	5	56.7	62.7	1	82.4	18.2	35
ULC15-54	54	5	60	73.3	1	96.3	15.6	35
ULC15-54A	54	5	60	66.3	1	87.1	17.2	35
ULC15-58	58	5	64.4	78.7	1	103	14.6	35
ULC15-58A	58	5	64.4	71.2	1	93.6	16	35
ULC15-60	60	5	66.7	815	1	107	14	35
ULC15-60A	60	5	66.7	73.7	1	96.8	15.5	35
ULC15-64	64	5	71.1	86.9	1	114	13.2	35
ULC15-64A	64	5	71.1	78.6	1	103	14.6	35
ULC15-70	70	5	77.8	95.1	1	125	12	35
ULC15-70A	70	5	77.8	86	1	113	13.3	35
ULC15-75	75	5	83.3	102	1	134	11.2	35
ULC15-75A	75	5	83.3	92.1	1	121	12.4	35
ULC15-80	80	5	88.7	108	1	142	10.6	35
ULC15-80A	80	5	88.7	98	1	129	11.6	35
ULC15-90	90	5	100	122	1	160	9.4	35
ULC15-90A	90	5	100	111	1	146	10.3	35
ULC15-100	100	5	111	136	1	179	8.4	35
ULC15-100A	100	5	111	123	1	162	9.3	35
ULC15-110	110	5	122	149	1	196	7.7	35
ULC15-110A	110	5	122	135	1	178	8.4	35
ULC15-120	120	5	133	163	1	214	7	35
ULC15-120A	120	5	133	147	1	193	7.8	35
ULC15-130	130	5	144	176	1	231	6.5	35
ULC15-130A	130	5	144	159	1	209	7.2	35
ULC15-150	150	5	167	204	1	268	5.6	35
ULC15-150A	150	5	167	185	1	243	6.2	35
ULC15-160	160	5	178	218	1	287	5.2	35
ULC15-160A	160	5	178	197	1	259	5.8	35
ULC15-170	170	5	189	231	1	304	4.9	35
ULC15-170A	170	5	189	209	1	275	5.4	35

THIS TABLE CONTINUES

NOTES

- NOTE 1:** ♦ ELECTRICAL CHARACTERISTICS ARE AT A JUNCTION TEMPERATURE (T_J) OF 25°C
- NOTE 2:** ♦ SURGE CURRENT WAVEFORM SHOWN IN FIGURE 2A ON PAGE
- ♦ PEAK PULSE POWER DERATING SHOWN IN FIGURE 3A ON PAGE