

The new 926 Series IGBT Snubber Capacitors were designed for AC and pulse applications. A wide range of rectangular epoxy case sizes are available with tinned copper lugs. Wrap and fill design is also available on special order.

Extended metallized polypropylene is used as the dielectric material.

Electrocube recognizes and supports the circuit design needs for specific

mounting configurations, voltages and capacitances for snubber capacitor models not shown. Special designs can be manufactured to meet any existing or future requirement. For specific information on your product needs, contact your local sales representative or Electrocube directly.

The potting material and endfills of Electrocubes capacitors meet or exceed the flammability requirements of UL94V0.



Dimensional variations for all MFD values are available with the same volume to meet your design requirements.

SPECIFICATIONS

Temperature: -55°C to +85°C at rated voltage; to +105°C with 50% voltage derating.

Dielectric Voltage Test: Will withstand the application of 150% rated DC voltage for a period not to exceed 1 minute at 25°C; current limited to 5 mA.

DC Life Test: Will withstand the application of 125% rated VDC at 85°C for 1000 hours, with not more than 1 failure in 12 permitted; current limited to 5 mA.

Dissipation Factor: Shall not exceed 0.1% at 25°C. for values to 1 mfd; 0.2% for values over 1 mfd.

Dielectric Absorption: Shall not exceed 0.1% at 25°C. per MIL-C-19978.

Acceptance Criteria: Measurement frequency for capacitance and dissipation factor shall be 1000 Hz for values less than 1 mfd and 120 Hz for values of 1.0 mfd and up.

Self Inductance: The unique lead design and attachment, coupled with precision assembly create a series of parts that have maximum self inductance of 15 nh.

Insulation Resistance: At rated voltage or 500V, whichever is less, units shall meet the minimum values below:

TEMP. (°C)	MEG × MFDS	MEG (NEED NOT EXCEED)
25	100,000	200,000
85	5,000	10,000
105	500	1,000

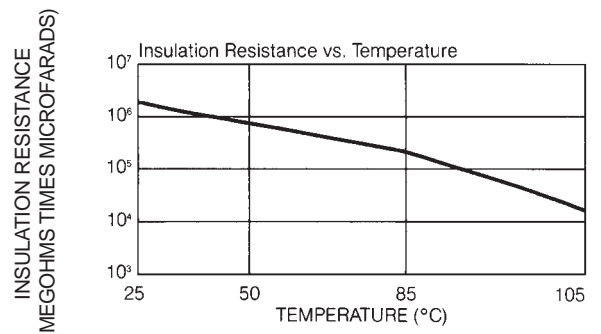
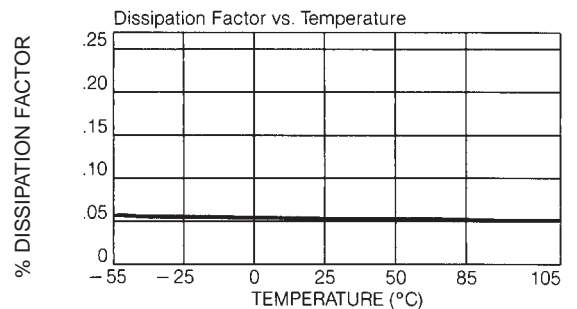
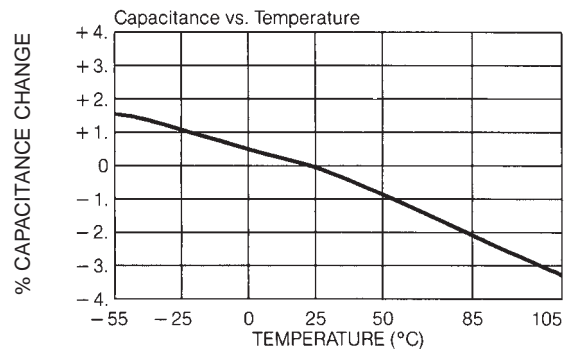
NOTES:


For information regarding insulating sleeves, mountings, special terminals, non-standard leads, circuit connections and other hardware, please consult factory.

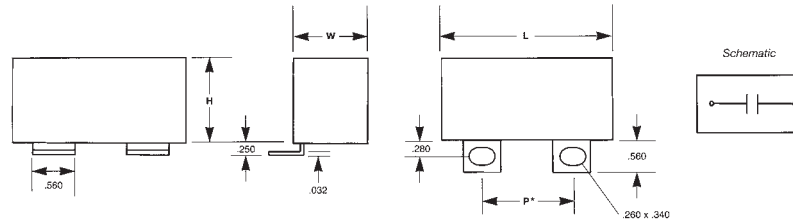
For styles and ratings not shown, or for unusual requirements necessitated by special circuit applications (including higher IR or lower DF), consult the factory direct.

All Electrocube film capacitors have endfills and tape that meet or exceed the flammability requirements of UL94V0.

TYPICAL DIELECTRIC CHARACTERISTIC CURVES



SERIES NO.	DESCRIPTION
926B	FLAME RETARDANT IGBT SNUBBER CAPACITORS 



**EPOXY CASE
RECTANGULAR**

All dimensions are in inches. P*: Specify [-1] to fit IGBTs with 20mm, 23mm and 25mm lead spacing or [-2] to fit IGBTs with 28mm, 30mm or 30.5mm lead spacings.

- Interchangeable with Cornell Dubilier Style SCD
- Mounts directly to the IGBT module
- Low loss polypropylene dielectric
- Meets or exceeds flammability requirements of UL94VO
- High peak and RMS current capability
- Low inductance
- 85°C. ambient temperature
- Competitive pricing
- Custom configurations available; please consult factory

CDE PART NUMBER	ELECTROCUBE PART NUMBER	CAP μ F	VDC	VAC	dV/dt (V/ μ s)	Ipk(A)	ESR m	Arms (55°C)	DIMENSIONS (inches)		
									W	L	H
SCD474K601A3-[-]	926B06474K-[-]	0.47	600	330	250	118	9	9.2	0.970	1.850	0.950
SCD684K601A3-[-]	926B06684K-[-]	0.68	600	330	250	170	7	11.5	1.140	1.850	1.050
SCD105K601A3-[-]	926B06105K-[-]	1.00	600	330	200	200	5	14.0	1.140	1.850	1.050
SCD155K601A3-[-]	926B06155K-[-]	1.50	600	300	150	225	4	17.1	1.140	1.850	1.050
SCD205K601A3-[-]	926B06205K-[-]	2.00	600	300	150	300	3	20.7	1.270	1.775	1.400
SCD335K601A3-[-]	926B06335K-[-]	3.30	600	400	300	825	5	35.0	1.500	2.050	1.500
SCD475K601A3-[-]	926B06475K-[-]	4.70	600	400	250	1175	4	46.2	1.825	2.225	1.975
SCD474K102D3-[-]	926B10474K-[-]	0.47	1000	500	700	329	8	12.1	1.140	1.850	1.050
SCD684K102D3-[-]	926B10684K-[-]	0.68	1000	500	500	340	7	14.4	1.140	1.850	1.050
SCD105K102D3-[-]	926B10105K-[-]	1.00	1000	500	400	400	5	17.5	1.140	1.850	1.050
SCD155K102D3-[-]	926B10155K-[-]	1.50	1000	500	400	600	3	22.4	1.370	1.775	1.400
SCD205K102D3-[-]	926B10205K-[-]	2.00	1000	500	400	800	5	26.2	1.500	2.050	1.500
SCD224K122A3-[-]	926B12224K-[-]	0.22	1200	580	650	143	19	7.9	0.970	1.850	0.950
SCD334K122A3-[-]	926B12334K-[-]	0.33	1200	580	650	215	13	10.0	1.140	1.850	1.050
SCD474K122A3-[-]	926B12474K-[-]	0.47	1200	580	500	235	10	12.0	1.140	1.850	1.050
SCD684K122A3-[-]	926B12684K-[-]	0.68	1200	580	500	340	7	15.1	1.370	1.775	1.400
SCD105K122A3-[-]	926B12105K-[-]	1.00	1200	580	500	500	5	18.5	1.370	1.775	1.400
SCD155K122A3-[-]	926B12155K-[-]	1.50	1200	580	400	600	4	23.9	1.500	2.050	1.500
SCD205K122A3-[-]	926B12205K-[-]	2.00	1200	580	400	800	4	30.1	1.825	2.225	1.975
SCD305K122C3-[-]	926B12305K-[-]	3.00	1200	580	400	1200	5	39.7	3.000	2.475	1.500
SCD224K162A3-[-]	926B16224K-[-]	0.22	1600	630	650	143	19	7.9	0.970	1.850	0.950
SCD334K162A3-[-]	926B16334K-[-]	0.33	1600	630	650	215	12	10.0	1.140	1.850	1.050
SCD474K162A3-[-]	926B16474K-[-]	0.47	1600	630	650	306	10	12.6	1.270	1.775	1.400
SCD684K162A3-[-]	926B16684K-[-]	0.68	1600	630	650	442	7	15.3	1.370	1.775	1.400
SCD105K162A3-[-]	926B16105K-[-]	1.00	1600	630	500	500	6	19.5	1.500	2.050	1.500
SCD155K162A3-[-]	926B16155K-[-]	1.50	1600	630	400	600	5	25.6	1.650	2.700	1.500
SCD205K162A3-[-]	926B16205K-[-]	2.00	1600	630	400	800	5	30.6	1.750	2.625	1.825
SCD224K202A3-[-]	926B20224K-[-]	0.22	2000	630	800	176	19	8.2	0.970	1.850	0.950
SCD334K202A3-[-]	926B20334K-[-]	0.33	2000	630	800	264	13	10.5	1.140	1.850	1.050
SCD474K202A3-[-]	926B20474K-[-]	0.47	2000	630	600	282	10	13.0	1.350	2.200	1.200
SCD684K202A3-[-]	926B20684K-[-]	0.68	2000	630	600	408	8	16.1	1.500	2.050	1.500
SCD105K202A3-[-]	926B20105K-[-]	1.00	2000	630	600	600	6	21.3	1.825	2.225	1.975

Specify [-1] or [-2] as per P* on dimensional drawing above.