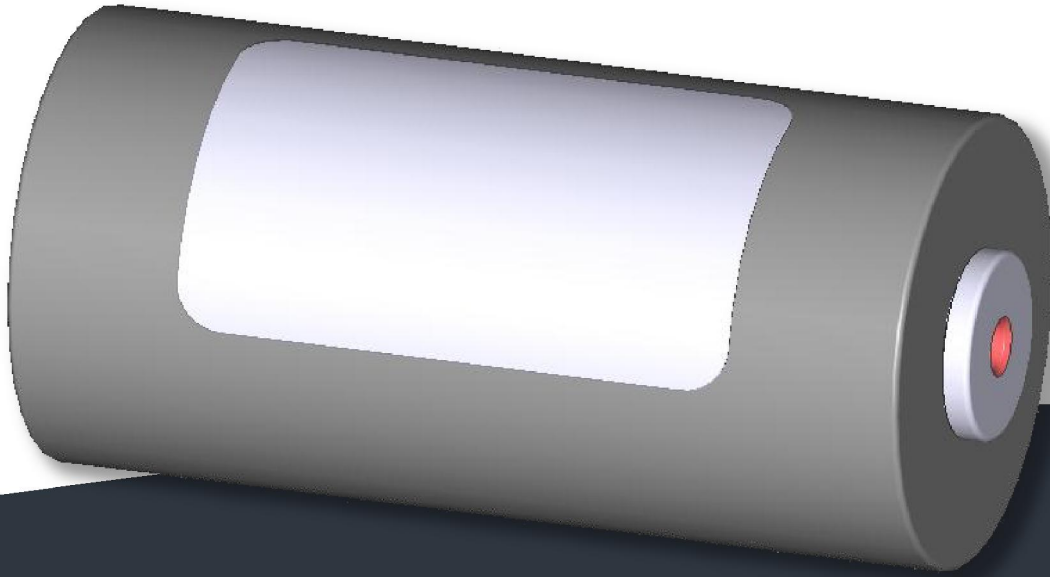


ASC CAPACITORS

AMERICAN SHIZUKI CORPORATION

HVSC SERIES

HIGH.VOLTAGE.SNUBBER.CAPACITOR



APPLICATION

- ✓ LOW-MEDIUM VOLTAGE DRIVES
- ✓ GTO SNUBBER
- ✓ GCT SNUBBER

CHARACTERISTICS

- ✓ LOW ESR
- ✓ LOW INDUCTANCE
- ✓ EXCELLENT VIBRATION HANDLING
- ✓ HIGH AC VOLTAGE CAPABILITY
- ✓ HIGH DV/DT
- ✓ MINIMAL CORONA (PARTIAL DISCHARGE) EFFECTS
- ✓ IEC61071 COMPLIANT

CHARACTERISTICS TABLE

CAPACITANCE (μ F) *	VN* (DC)	VRMS* (AC)	VSURGE* (DC)	IRMS @85C (AMPS)	IPK (AMPS)	ESR MAX (M Ω)	T-T	L
0.05	3750	2500	7200	20	2300	10	6.22	5.85
0.1	3750	2500	7200	22	2800	5	6.22	5.85
0.2	3750	2500	7200	25	3300	3	6.22	5.85
0.0625	3000	2000	6400	20	2300	10	5.22	4.85
0.125	3000	2000	6400	22	2800	4	5.22	4.85
0.25	3000	2000	6400	25	3300	3	5.22	4.85
0.068	2250	1500	4000	22	2500	8	4.22	3.85
0.15	2250	1500	4000	25	2800	4	4.22	3.85
0.3	2250	1500	4000	25	3500	3	4.22	3.85
0.125	1500	1000	2400	22	2800	4	3.22	2.85
0.250	1500	1000	2400	25	3500	3	3.22	2.85
0.50	1500	1000	2400	25	5000	3	3.22	2.85
0.5	1000	500	1500	22	5000	3	2.22	2.52
1.0	1000	500	1500	25	5200	3	2.22	2.52
2.0	1000	500	1500	30	5400	3	2.22	2.52

CONSTRUCTION

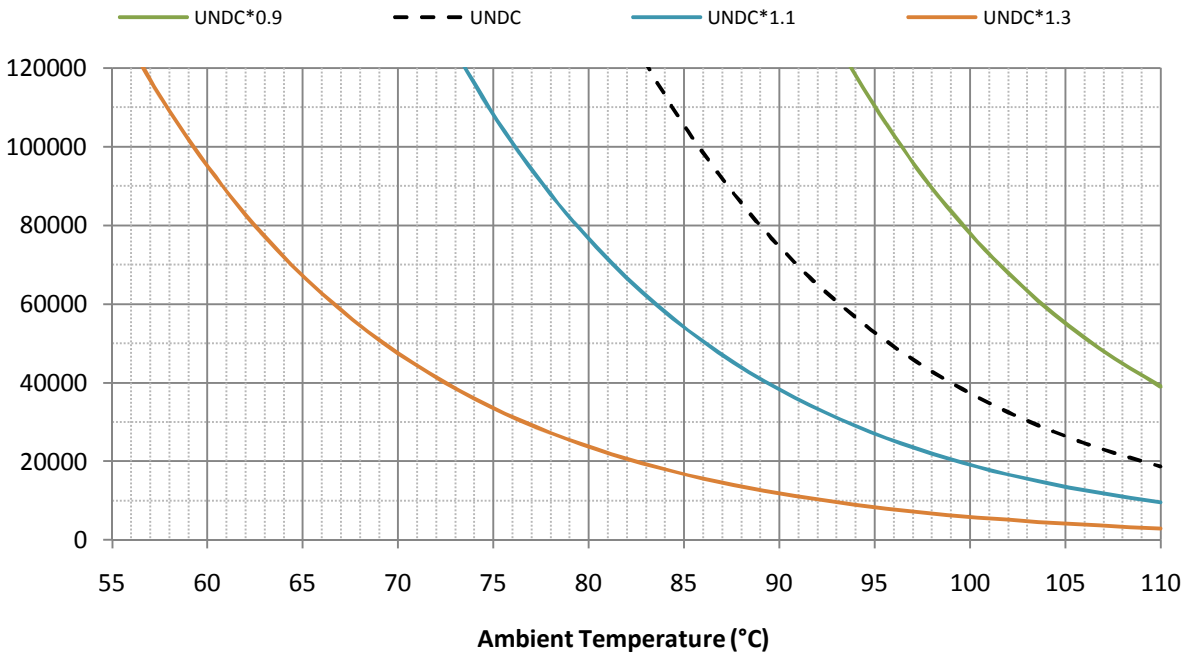
ELECTRODE: METALLIZED POLYPROPYLENE OR METALLIZED FILM FOIL HYBRID
CASE: MOLDED UL94-V0 BLACK PBT
POTTING: EPOXY (UL94-V0)
TERMINALS: ROHS COMPLIANT TIN PLATED BRASS

ELECTRICAL CHARACTERISTICS

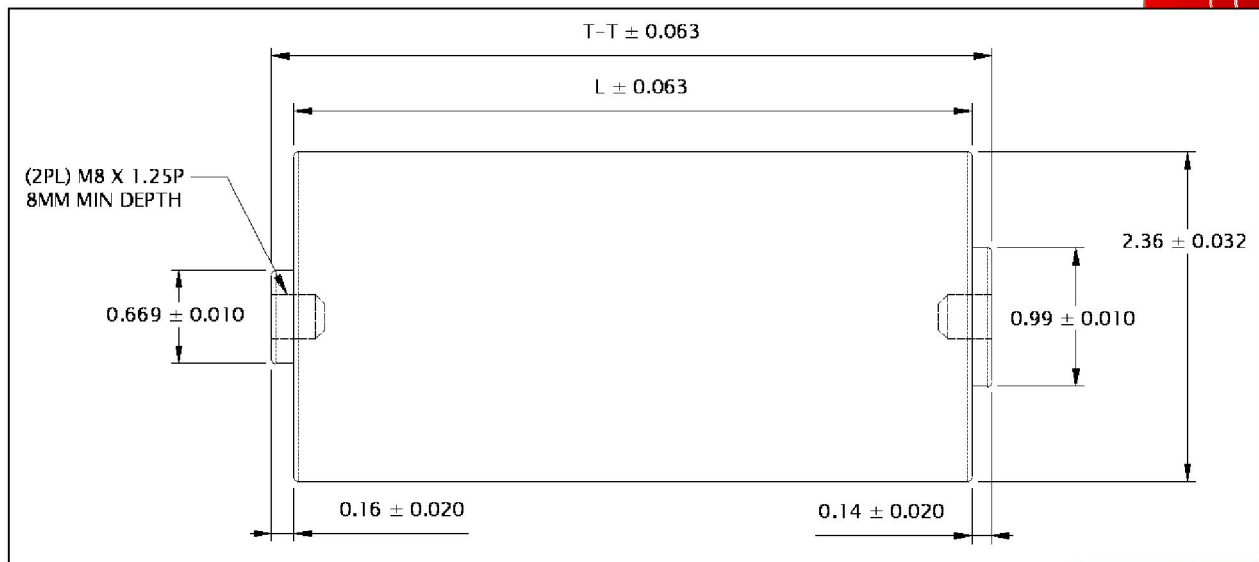
CAP: PER TABLE \pm (STANDARD TOLERANCE OF 5% AND 10%) WHEN MEASURED OR REFERRED TO AT $1k \pm 10$ Hz AND $25 \pm 5^\circ$ C.
DF: SHALL NOT BE GREATER THAN 0.05% WHEN MEASURED AT OR REFERRED TO $1k \pm 10$ Hz AND $25 \pm 5^\circ$ C.
IR: 10,000 M Ω * μ F MEASURED AT 100VDC AND $25 \pm 5^\circ$ C.
DIELECTRIC STRENGTH:
 TERMINAL TO TERMINAL (U_T OR T-T): $2*U_{NDC}$ FOR 10 SECONDS
OPERATING TEMPERATURE: -40° C TO $+85^\circ$ C
RATED CURRENT: PER TABLE BASED ON 100KHZ OPERATION FREQUENCY
LIFE: 100,000 HOURS @ 85° C AND FULL RATED VOLTAGE AND CURRENT
STANDARD: IEC61071

LIFE CHARACTERISTICS

Capacitor Life (hours) vs. Ambient Temperature



DIMENSIONAL CHARACTERISTICS



ORDERING INSTRUCTIONS

EXAMPLE - HVSC .068 10% 2250VDC

<u>HVSC</u>	<u>.068</u>	<u>10%</u>	<u>2250VDC</u>
↓	↓	↓	↓
SERIES	CAPACITANCE	TOLERANCE	VOLTAGE
	μF		VDC
			VAC

RECOMMENDED TORQUE SETTINGS

*These settings are suggested to hold two parts together with such a force that is greater than any external force that could separate the two objects, yet still maintain strength of the bolt and its bond to the internal buss structure of the capacitor.

BOLT SIZE	TYPICAL (IN/LBS)	MAX (IN/LBS)
M6	41	59
¼-20	43	62
M8	89	127
3/8 – 16	134	192
M10	172	246
7/16-14	222	317
M12	265	379
½-13	295	422

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X382 STYLE



IFP STYLE



THD STYLE

ASCAPACITORS

AMERICAN SHIZUKI CORPORATION
301 WEST "O" STREET OGALLALA, NE 69153
PHONE: 308.284.3611
FAX: 308.284.2708

SALES@ASCAPACITOR.COM WWW.ASCAPACITOR.COM