

**SURGE**

Components Inc.

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www.surgecomponents.com**SEM Series****EPOXY COATED, INDUCTIVE, FILM CAPACITORS, RADIAL LEADS****FEATURES**

- ☐ GOOD REPUTATION IN USE WITH CONSUMER & INDUSTRIAL ELECTRONICS
- ☐ OPTIMUM FOR AUTOMATIC INSERTION DUE TO THEIR SMALL SIZE AND LIGHT WEIGHT
- ☐ COATED WITH EPOXY RESIN FOR SUPERIOR HEAT RESISTANCE, HUMIDITY RESISTANCE AND SOLVENT RESISTANCE

SPECIFICATIONS

OPERATING TEMPERATURE RANGE	-40°C to +85°C
RATED VOLTAGE (DC)	50V, 100V
CAPACITANCE RANGE	0.001 to 0.47 MFD
CAPACITANCE TOLERANCE	±20% (M), ±10% (K), ±5% (J)
INSULATION RESISTANCE	50,000 Megohm min.
DISSIPATION FACTOR	≤ 0.0075 (at 1 KHZ)
DIELECTRIC STRENGTH	250% of rated voltage for 5 seconds

Part Number

SEM 100V 103 K F Ammo .200LS

— Tolerance

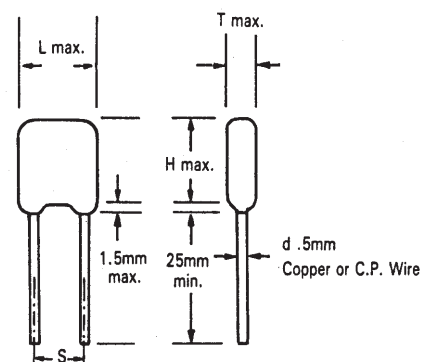
— Capacitance

— Voltage (DC)

— Series

STANDARD PRODUCTS AND CASE SIZE TABLE (UNIT: MM)

VDC	50 & 100 VOLTS DC			
MFD	L	T	H	S
0.001	6.0	3.5	9.5	3.5
0.0012	6.0	3.5	9.95	3.5
0.0015	6.0	3.5	9.5	3.5
0.0018	6.0	3.5	9.5	3.5
0.0022	6.0	3.5	9.5	3.5
0.0033	6.0	3.5	9.5	3.5
0.0039	6.0	3.5	9.5	3.5
0.0047	6.0	4.0	9.5	4.0
0.0056	6.0	4.0	9.5	4.0
0.0068	6.0	4.0	9.5	4.0
0.0082	6.5	4.0	9.5	4.0
0.01	6.5	4.0	9.5	4.0
0.012	6.5	4.0	9.5	4.0
0.015	7.5	4.5	10.0	4.5
0.018	7.5	4.5	10.0	4.5
0.022	8.0	4.5	10.0	5.0
0.027	8.0	4.5	11.0	5.0
0.033	8.5	4.5	11.0	5.0
0.039	8.5	5.0	11.0	5.0
0.047	9.0	5.0	11.5	5.0
0.056	9.0	6.0	11.5	5.0
0.068	9.5	6.0	12.0	6.0
0.082	10.0	6.0	12.0	7.0
0.1	11.0	7.0	12.0	7.0
0.12	11.0	7.0	12.0	7.0
0.12	11.0	7.0	13.0	7.0
0.15	12.5	7.0	14.0	7.5
0.18	12.5	7.0	14.0	7.5
0.22	13.5	8.0	14.0	9.0



S ± 1.0mm for Lead spacing ≤ 6mm.
 S ± 1.5mm for Lead spacing > 6mm.