

NEL

NEL



NEL

**Stumpp, Schuele & Somappa Private Limited - Electronics Division**

Bull Temple Road, Bangalore - 560 019 India

Tel : +91 - 80 - 26610074 Fax : +91 - 80 - 26604189

email : [info@sssed.com](mailto:info@sssed.com)

web : [www.sssed.com](http://www.sssed.com)

# About **NEL**

Stumpp Schuele & Somappa Pvt. Ltd. (Electronics Division) – SSS-ED, a part of the USD 55 Million business, have been manufacturing capacitors for the last 40 years. We are the pioneers of capacitor manufacturing in India. Our client list includes among the forerunners in the Indian Automobile, Electrical and Electronics Industry. We take pride in being the single source supplier to some of our coveted customers. We have been a trusted partner to our customers and endeavor to retain this position by continually improving our engineering, quality and service standards.

## Quality Assurance

Stumpp, Schuele & Somappa Private Limited endeavors to maintain high quality standards. Our quality standard for Capacitor Manufacturing holds the ISO 9001:2000 certification from KEMA.



We apply stringent specifications for our raw materials and each supply is checked. We ensure quality controls at all manufacturing stages and processes for immediate feedback. Finished products are further inspected prior to packing and shipment to our customers.

## Technical Support

The engineers at Stumpp, Schuele & Somappa Private Limited spend considerable time in providing technical support to our customers. Our engineers' role consists of helping our customers choose the right product for their applications and continually work with the products and processes to improve quality and performance.

Technical Specifications for our standard product range is enclosed...



- AC Capacitors -
- DC Capacitors -
- Power Factor Correction Capacitors -
- Ignition Capacitors -
- Metallized Polypropylene -
- Tabular Axial Lead -

## **NEL's** Product Range

SSS-ED has a wide product range to match our customers' requirements.

The products described in the catalogue enclosed represent the standard designs. Special designs can be developed based on customer's specific requirements.

# Type - MD - 1 ( Flat Oval Axial Lead)

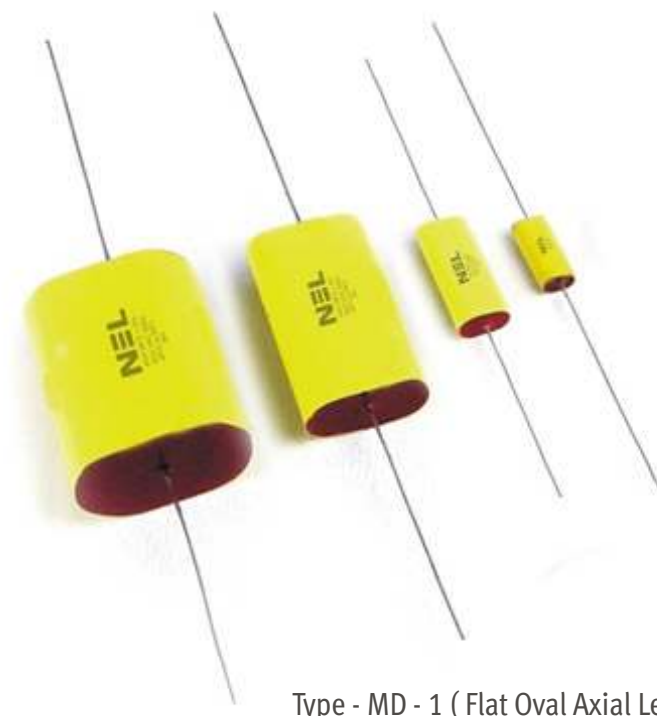
These Capacitors are manufactured with Aluminium Metalised Polyester Film as dielectric in flat configuration. They are wrapped with polyester adhesive tape and end sealed with epoxy resin. These capacitors are compact in size with self healing properties. Terminations of tinned copper wire is brought out axially on either side

## Specification :

Capacitance Range	0.0068 MF to 10.0 MF
Capacitance Tolerance	± 5%, ± 10% and ±20%
Rated Voltage	100 VDC, 250 VDC, 400 VDC, 630 VDC and 1000 VDC
Test Voltage	1.5 x Rated Voltage
Dissipation Factor ( Tan delta)	< 1% when measured at 1KHz at 20°C ±5°C
Minimum Insulation Resistance at 100 VDC	
A) for 100 VDC Capacitor	> 15,000 M for C ≤ 0.33 MF
Between Terminals	5,000 M MF for C > 0.33 MF
B) for 250 VDC, 400 VDC & 630 VDC	30,000 M MF for C ≤ 0.33 MF
Between Terminals	10,000 M MF for C ≤ 0.33 MF
Environmental Category	40/100/56
Temperature Range	- 40°C to + 100°C
Capacitance Stability	± 5%
Reference standard	JSS 50204 pattern CPM 05

CAPACITANCE VALUE IN F	100 VDC			250 VDC			400 VDC			100 VDC		
	L	H	T	L	H	T	L	H	T	L	H	T
0.001												
0.0047												
0.0068										14.5	7.0	4.5
0.01							14.5	6.5	4.0	14.5	7.0	4.5
0.015				14.5	6.5	4.0	14.5	7.0	4.0	20.0	8.0	4.5
0.022	14.5	6.5	4.0	14.5	7.5	4.5	20.0	8.5	5.0			
0.033	14.5	6.0	3.5	14.5	7.5	4.5	20.0	8.0	4.5	20.0	9.5	6.0
0.047	14.5	6.5	3.5	14.5	8.0	5.0	20.0	9.0	5.0	20.0	10.5	6.5
0.068	14.5	7.0	4.0	20.0	8.0	4.5	20.0	9.5	6.0	20.0	13.5	6.5
0.1	14.5	7.5	4.5	20.0	8.0	5.5	20.0	10.0	7.0	20.0	15.0	8.5
0.15	20.0	8.5	4.5	20.0	9.5	6.5	20.0	13.5	8.0	33.0	13.0	7.0
0.22	20.0	8.5	5.0	20.0	10.5	7.5	20.0	15.0	8.5	33.0	14.5	8.5
0.33	20.0	9.0	6.0	20.0	14.0	7.5	33.0	13.5	7.5	33.0	15.0	10.5
0.47	20.0	10.0	7.0	20.0	15.5	9.0	33.0	14.5	8.5	33.0	20.5	11.0
0.68	20.0	11.5	8.5	33.0	13.5	7.5	33.0	15.5	9.0	33.0	23.5	14.0
1.0	20.0	13.5	10.5	33.0	15.0	9.0	33.0	20.5	11.0	33.0	26.5	17.0
1.5	33.0	11.0	8.0	33.0	16.0	11.5	33.0	24.0	14.5			
2.2	33.0	13.0	10.0	33.0	21.0	11.5	33.0	27.5	18.0			
3.3	33.0	14.5	11.5	33.0	24.5	15.0						
4.7	33.0	18.5	14.0	33.0	27.5	18.0						
6.8	33.0	21.0	16.5									
10.0	33.0	27.5	18.0									

NOTE : (1) Termination diameters are 0.6 / + 0.06 / - 0.05 / mm for case diameter of 14.5 mm or less , 0.8 / + 0.08 / - 0.05 / mm for case length of 20 mm and 1.0 (+0.1/0.05) mm for case length of 33mm



Type - MD - 1 ( Flat Oval Axial Lead)

## Application

Used for coupling, decoupling & smoothening in industrial electronics and professional equipments