

NEL

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

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# 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 ( Tabular Axial Lead)

These capacitors are manufactured with aluminum metalised polyester film as dielectric in tubular configuration. They are wrapped with polyester adhesive tape and end sealed with epoxy resin. These capacitors are compact in size with self healing properties. Termination of tinned copper wire is brought out axially

### Specification :

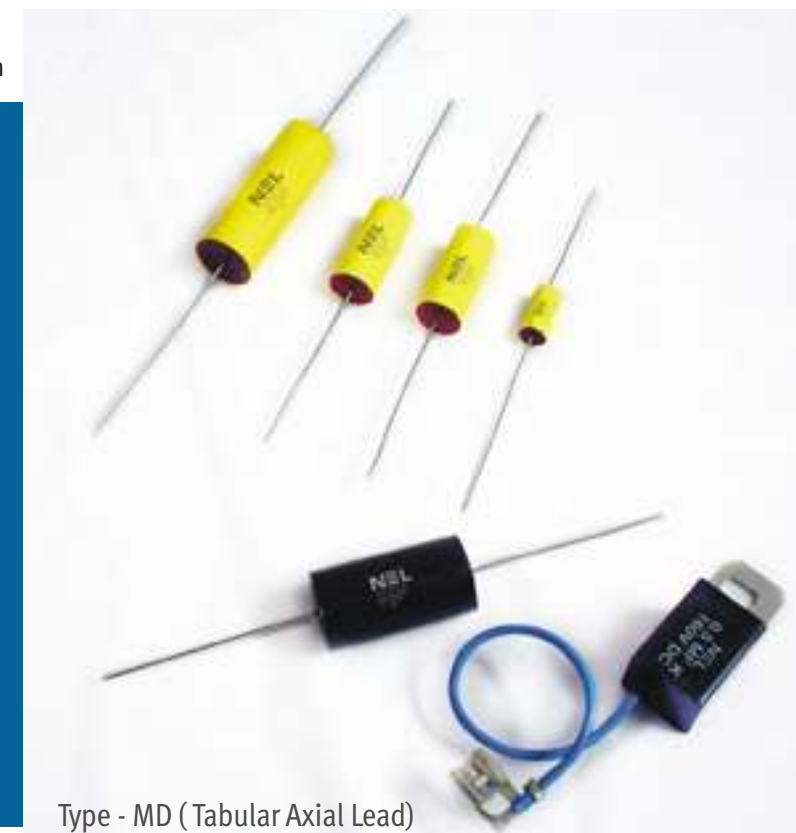
Capacitance Range	0.0047 MF to 10.0 MF
Capacitance Tolerance	± 5% 10% and ±20%
Rated Voltage	63 VDC, 100 VDC, 250 VDC, 400 VDC
Test Voltage	1.5 x Rated Voltage
Dissipation Factor ( Tan delta)	< 1% when measured at 1KHz at 20°C
Minimum Insulation Resistance at 100 VDC	< 1% when measured at 1KHz at 20°C
A) for 100 VDC Capacitor Between Terminals	15,000 M to C ≤ 0.33 MF 5,000 M MF for C > 0.33 MF
B) for 250 VDC, 400 VDC & 630 VDC Between Terminals	30,000 M to C ≤ 0.33 MF 10,000 M MF for C > 0.33 MF
C) Between body and Terminals	50,000 M
Environmental Category	40/100/56 as per IEC
Temperature Range	- 40°C to + 85°C
Capacitance Stability	+ 5%
Reference standard	JSS 50204 pattern CPM 07

CAPACITANCE VALUE IN F	63V		100V		250V		400V		630V	
	L	D	L	D	L	D	L	D	L	D
0.0047	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0
0.0068	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0
0.01	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0
0.015	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0
0.022	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0
0.033	16.5	6.0	16.5	6.0	16.5	6.0	16.5	6.0	20.5	7.5
0.047	16.5	6.0	16.5	6.0	16.5	6.0	20.0	7.0	20.5	8.0
0.068	16.5	6.0	16.5	6.0	16.5	6.0	20.5	7.0	20.5	9.0
0.1	16.5	6.0	16.5	6.0	16.5	6.0	20.5	10.0	30.0	9.0
0.15	16.5	6.0	16.5	6.0	16.5	7.5	20.5	9.0	29.0	10.0
0.22	16.5	6.0	16.5	7.0	16.5	9.0	30.0	8.5	29.0	11.5
0.33	16.5	6.5	16.5	7.5	20.5	9.5	29.0	10.0	35.0	13.0
0.47	16.5	7.5	20.5	7.5	20.5	10.5	29.0	11.5	35.0	15.0
0.68	20.5	7.0	20.5	8.5	29.0	9.0	34.0	12.5	35.0	17.5
1.0	20.5	8.0	25.5	10.0	29.0	13.0	33.0	16.0	35.0	20.5
1.5	20.5	9.5	29.5	10.0	33.0	15.0	34.0	17.5		
2.2	30.0	9.5	29	11.5	33.0	16.0	44.0	16.0		
3.3	29.0	11.0	29.0	16.0	33.0	20.0				
4.7	29.0	12.5	34.0	15.0	44.0	18.5				
6.8	34.0	14.0	34.0	17.5	44.0	21.5				
10.0	34.0	16.5	34.0	20.5	44.0	27.0				

NOTE : (1) Termination diameters are 0.6 / + 0.06 / - 0.05 / mm for case diameter of 8 mm and 0.8 / + 0.08 / - 0.05 / mm for case diameter greater than 8 mm

### Application

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



Type - MD ( Tabular Axial Lead)