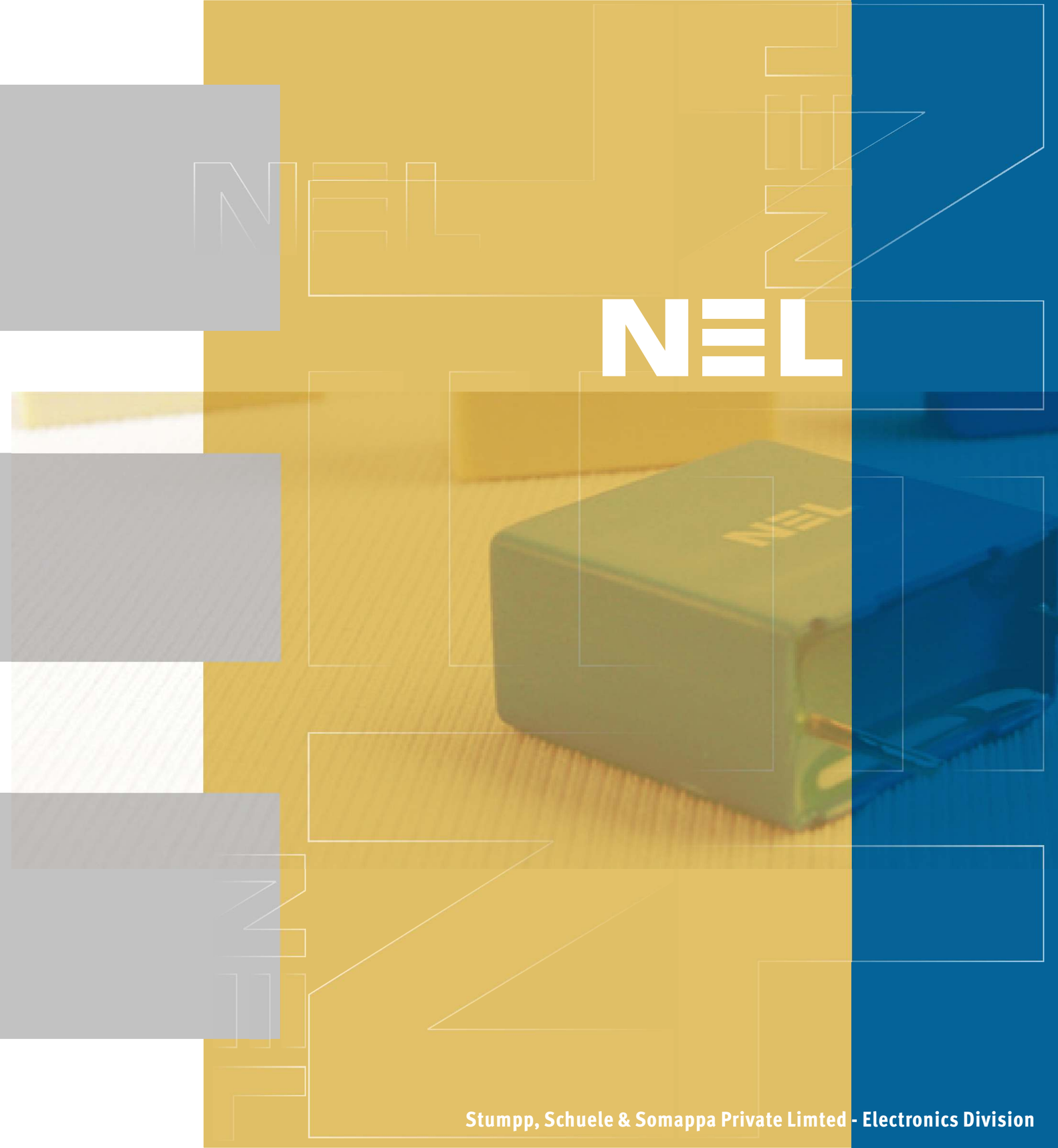

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Stumpp, Schuele & Somappa Private Limted - Electronics Division

About NEL

Stumpp Schuele & Somappa Pvt. Ltd. (Electronics Division) – SSSED, 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...

Stumpp, Schuele & Somappa Private Limted - Electronics Division

- 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 - 2 (Plastic Case Radial Lead)

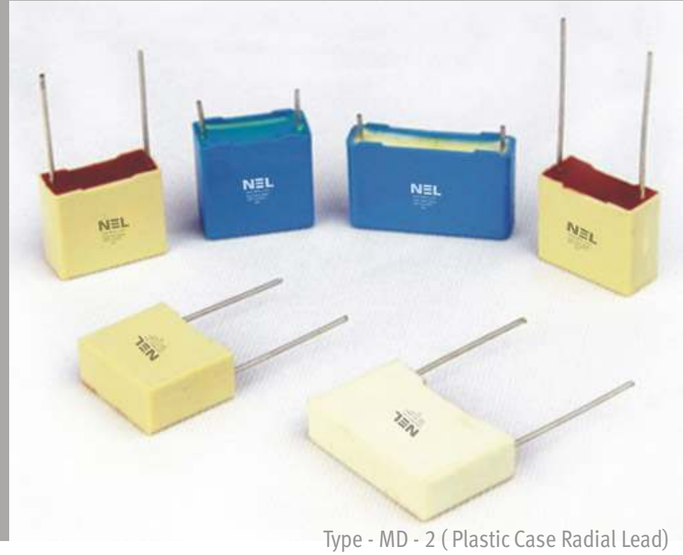
These Capacitors are manufactured with Aluminium Metalised Polyster Film as dielectric in Radial configuration. They are housed in plastic cases and sealed with epoxy resin. These capacitors are compact in size with self healing properties. Terminations of tinned types wire are brought out radially

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
Minimum Insulation Resistance at 500 VDC or at rated voltage whichever is lower	
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 Capacitor	30,000 M MF for C ≤ 0.33 MF
Between Terminals	10,000 M MF for C > 0.33 MF
Envionmental Category	40/100/56
Temperature Range	- 40°C to + 85°C
Capacitance Stability	± 5%
Reference standard	JSS 50204 pattern CPM 08 / DIN 44112

Application

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



Type - MD - 2 (Plastic Case Radial Lead)

CAPACITANCE VALUE IN F	100 VDC/63 VAC				250 VDC/160 VAC				400 VDC/200 VAC				630 VDC/220VAC			
	L	H	W	P	L	H	W	P	L	H	W	P	L	H	W	P
0.0047													13.0	10.5	6.0	10.0
0.0068													13.0	10.5	6.0	10.0
0.01					13.0	10.5	6.0	10.0	13.0	9.5	5.0	10.0	13.0	10.5	6.0	10.0
0.015					13.0	10.5	6.0	10.0	13.0	9.5	5.0	10.0	13.0	10.5	6.0	10.0
0.022					13.0	10.5	6.0	10.0	13.0	9.5	5.0	10.0	13.0	12.0	6.0	10.0
0.033					13.0	9.5	5.0	10.0	13.0	9.5	5.0	10.0	13.0	12.0	6.0	10.0
0.047					13.0	9.5	5.0	10.0	13.0	10.5	6.0	10.0	18.0	11.0	6.5	15.0
0.068					13.0	9.5	5.0	15.0	18.0	11.0	6.5	15.0	18.0	12.0	7.0	10.0
0.1					18.0	11.0	6.5	15.0	18.0	11.0	6.5	15.0	18.0	13.0	7.5	15.04
0.15	18	9.5	5.0	10.0	18.0	11.0	6.5	15.0	18.0	12.0	7.0	15.04	27.0	14.1	6.5	22.5
0.22	18	10.5	6.0	10.0	18.0	11.0	6.5	15.0	18.0	14.0	9.0	15.0	27.0	17.5	8.5	22.5
0.33	18	11.0	6.5	15.0	18.0	12.0	7.0	15.0	27.0	14.5	6.5	22.50	27.0	17.5	5.5	22.5
0.47	18	11.0	6.5	15.0	27.0	12.5	8.5	22.50	27.0	17.5	8.5	22.50	32.0	20.0	11.5	27.5
0.68	18	12.0	7.0	15.0	27.0	17.5	8.5	22.50	27.0	17.5	8.5	22.50	32.0	23.5	14.0	27.5
1.0	18	13.5	7.5	15.0	27.0	17.5	8.5	22.50	32.0	17.0	9.0	27.50				
1.5	27	17.5	8.5	22.5	32.0	18.0	11.5	27.50	32.0	20.0	11.5	27.50				
2.2	27	18.0	11.0	22.5	32.0	20.0	11.5	27.50								
3.3	27	18.0	11.0	22.5	32.0	23.5	14.0	27.50								
4.7	32	20.0	11.5	27.50												
6.8	32	23.5	14.0	27.50												
10.0	33	24.0	14.0	28.0												

Other Capacitance values available on request

Note : Termination wire diameters are 0.6/+0.06/-0.05/mm for case length less than or equal to 15 mm, 0.8/+0.08/-0.05/mm for case length equal to 19mm and 1.0/+0.1/-0.05/mm for case length equal to 34 mm