

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 - NFC (Fan Condensers)

These Capacitors are manufactured using Zinc Alloy High Edge Metallised Polypropylene Film and housed in Plastic or Aluminum can and sealed with high grade epoxy resin. These capacitors are of self - healing type with very low dissipation factor, high insulation resistance and longer life. These capacitors are fully protected and has superior characteristics at wider operating temperature range



## Specification :

Capacitance Tolerance	$\pm 5\%$ , $\pm 10\%$ and $\pm 20\%$ :
Rated Voltage	440 VAC/ 400 VAC at 50 Hz
Test Voltage	
a) Between Terminals	1.5 x Rated Voltage
b) Between Body and Terminals	2000 VAC for 1 Minute
Dissipation Factor ( Tan delta)	0.35% at 50 HZ
Temperature Range	- 40 °C to + 85 °C
Envionmental Category	40/80/21
Endurance Test	500 Hrs at 1.25 times rated voltage at 55 °c ( Class - C )
Self - Healing	In the event of over loads, the capacitors self - heals with out significant change in capacitance:
Reference standard	IS : 1709 - 1984

## 01.Fan Capacitors : (NfC TYPE)

AS PER IS SPECIFICATION 1709 - 1986

CAPACITANCE VALUE	TOLERANCE	VOLTAGE	P.P. CAN D X L (MAX) (in mm)	Al.CAN D X L (MAX) (in mm)
1.85 MFD	$\pm 5\%$	440/400 VAC	27 X 52	28 X 54
2.00 MFD	$\pm 5\%$	440/400 VAC	27 X 52	28 X 54
2.25 MFD	$\pm 5\%$	440/400 VAC	30 X 52	30 X 54
2.50 MFD	$\pm 5\%$	440/400 VAC	30 X 52	30 X 54

## Application

These capacitors are used for a variety of AC applications with motors such as in fans, circulators, Air Coolers etc