



NEWS RELEASE

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Conductive Polymer Aluminum Solid Capacitors the PSF series

Offers endurance of 5000 hours at 105°C

Featuring ultra low ESR and excellent noise absorptions, Nippon Chemi-Con's conductive polymer aluminum solid capacitors NPCAP™ is recently expanding the market for digital information appliances.

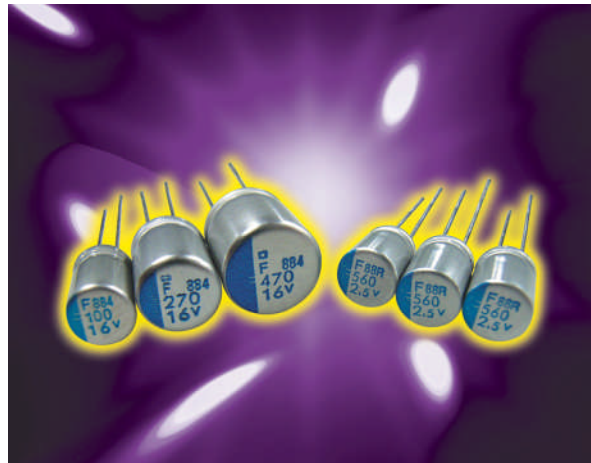
The new lead type PSF series have significantly improved endurance through the review of designs and materials. Offering 5,000 hours at 105°C, the series mark the highest endurance in the market, and have also achieved more than twice the longer life than NPCAP™'s existing series.

The PSF series are designed for voltages of three types, 2.0V, 2.5V and 16V. The 2.0/ 2.5V type has been developed to best suite LSI's secondary side of power supply, and 16V type for primary side.

Compared to the PSE series same size(ϕ 6.3×8Lmm), the PSF series 2.0/2.5V type has reduced ESR from 7m Ω to 5m Ω . Moreover, this type guarantees initial spec (5m Ω) after endurance of 5000 hours. With product size of ϕ 6.3×8Lmm, the 2.0/2.5V type offers capacitance range from 330 to 1,000 μ F.

The 16V type, with case size ranging from ϕ 6.3×10.5Lmm to ϕ 10 ×11.5Lmm, covers capacitance range from 100 to 470 μ F.

The PSF series is a halogen free, environmentally friendly product, also RoHS compatible.



Specifications

Category temperature range	-55 – +105°C
Rated voltage range	2.0Vdc / 2.5Vdc / 16Vdc
Capacitance range	330 – 1,000 μ F (2.0/2.5Vdc)
	100 – 470 μ F (16Vdc)
Case size	ϕ 6.3 × 8L [mm] (2.0/2.5Vdc)
	ϕ 6.3 × 10.5L – ϕ 10 × 11.5L [mm] (16Vdc)
Endurance	5,000 hours at 105°C
ESR	5 m Ω / 20°C 100k – 300kHz (2.0/2.5Vdc)
	10 – 25m Ω / 20°C 100k – 300kHz (16Vdc)
Others	Halogen Free