

Addition of Low-Profile Versions and Low-ESR Versions to the PXF Series of SMD-Type Conductive Polymer Aluminum Solid Capacitors

Nippon Chemi-Con Corporation has added low-profile versions and low-ESR versions to its PXF series of surface mount type conductive polymer aluminum solid capacitors.

While maintaining the characteristics of the smallest product (5.0 φ × 4.6 mm) in the current PXF series, products with a 4.0 mm height, that is, a 15% height reduction, have been added to the series. The ratings of the two added products are 220 μF at 2.5 V and 150 μF at 6.3 V, and the ESR is 25 mΩ for both.



A product with a size of 6.3 φ × 4.5 mm, a rated voltage of 2.5 V, capacitance of 330 μF, and an ESR of 12 mΩ has also been added to the PXF series. Compared with the existing product (6.3 φ × 4.6 mm, rated voltage of 2.5 V, capacitance of 330 μF), the ESR has been reduced by 25% while suppressing the height.

<<Mass production schedule>>

Sample PXF series of the 4.0 mm height version started shipping in July this year, with mass production to start in October.

Sample PXF series of the ultra-low ESR version with a height of 4.5 mm also started shipping in July this year, with mass production to start in August.

<<Specifications>>

Category temperature range	-55 – +105°C			
Endurance	1000 hours at 105 °C			
Newly added product	Case size	Rated voltage [Vdc]	Capacitance [μF]	ESR [mΩmax/20°C 100k – 300kHz]
	E40(φ5.0×4.0Lmm)	2.5	220	25
	E40(φ5.0×4.0Lmm)	6.3	150	25
	F45(φ6.3×4.5Lmm)	2.5	330	12