

# POWER FLUX

Dongbu, one of major manufacturers of "Magnetic Powder Core", has developed new material, especially for the applications designed for high currents and frequencies. This brand new core, titled as "Power Flux", is made of Fe-Si (Iron-Silicon) alloy powder and offers good energy storage ability with the best DC-Bias property similar to High Flux, good temperature stability similar to MPP, good core losses better than Iron Powder and much cheaper price than High Flux.

东部是“磁粉铁芯”的主要厂商之一，已开发了新材料，特别是适用于高电流高频率的应用程式。这个全新的磁芯，材名为“PF 磁粉铁芯”，是由铁硅(铁硅)合金粉末，并提供最好的DC-BIAS性能良好的储能能力，类似于HF，良好的温度稳定性类似MPP，良好的磁芯损耗比铁粉好，性价比高通量便宜得多。

## FEATURES

- Excellent DC-Bias characteristics
- High Bmax of 16,000Gauss
- Excellent temperature stability
- Large energy storage capacity
- Frequency range up to 1.0MHz
- 100% lead (Pb)-free and RoHS compliant

## APPLICATIONS

- Power choke for high current (over 50A)
- Power inductor for energy storage (solar cell, wind energy.. etc)
- Power inductor for military & industries
- Power output stage inductor for switch mode power supply

## GENERAL INFORMATION

Brand Name	Power Flux
Permeability	26, 40, 50, 60, 90 $\mu$
Material Code	W
Core Color	Bluish Green
Material	Fe-Si alloy powder
Bmax	16,000Gauss
Curie Temp.	700°C
Operating Temp.	-40°C ~ 200°C
Core Size (Outer Diameter)	0.14" ~ 5.20" 4.19mm ~ 132.54mm

