TAIYO YUDEN's Surface-Mount High Current Ferrite Chip Beads for EMC Suppression

FBMH

FBMJ

Taiyo Yuden has developed a line of EMC components that provide maximum achievable performance for the full spectrum of noise-suppression requirements in power supply circuits of laptop computers, cell phones, mobile devices, computer peripherals (including USB devices), audio system, wireless LAN, automotive electronics and other applications.

FBM series have been designed for use in circuits where high impedance and large currents to combat radiated noise on power lines, excellent high impedance capability, even at the high GHz band frequency. This series is ideal for high frequency EMI with large current.

Feature:

- Large DC current rating of up to 6A
- Resistance to high energy
- High reliability
- Offers both low DC resistance and low power loss
- Compact Size 0603 – 1812
- Wide operating temperature range of -40°C to +125°C
- Wide impedance range from 8 to 2000 ohms at 100 MHz
- Wave/Reflow

Application:

- Power Supply Units
- DC Power Line Filtering

FBM Type Line Up

High Current Type		Over 1A Line Up												Impedance
Item	Case	1A		2A		3A		4A		5A		6A		Ω
FBMJ1608	0603							4A						23-28
FBMJ2125	0805							4A				6A		8-42
FBMJ3216	1206							4A				6A		16-80
FBMJ4516	1806						3.5A	4A				6A		23-110
FBMH1608	0603	1.5-3.5A												30-220
FBMH2012	0805		1.8-2.7A											80-330
FBMH2016	0806			2A					4.5A					120-250
FBMH3216	1206			2A				4A						220-500
FBMH3225	1210	1.2A		2A		3A								600-2000
FBMH4516	1806		1.5A											850
FBMH4525	1810			2A		3A								1000-1600
FBMH4532	1812	1.2A				3A		4A						680-2000