



FERRITE BEAD RECOMMENDATIONS

Ferrite beads (or chips) are recommended for ICS products, for power supply filtering of the 3.3V or 5.0V supply.

The three leading parameters to consider when selecting ferrite bead are DC resistance, AC impedance, and bias current rating. What is desired for good isolation is a low pass power filter. For that a bead with some DC resistance is best. How much resistance depends on how much voltage drop is allowed and therefore the maximum current of the device being powered.

For all power supply currents less than 200 mA, the Dale ILB-1206-300 is the recommended choice.

Manufacturer	Part Number	Bias Current (ma)	Pkg. Size	DC Resistance	Impedance @ 100MHz
Murata	BLM21A601R	500	0805	0.30	600
Dale	ILB-1206-300	250	1206	0.30	300
FairRite	2512066017X1	200	1206	0.30	600
TDK	ACB2012M-150-T	300	0805	0.50	150