Noise Suppression Filters Selection Guide

Click Series name in the diagram above for details.

For Audio Line

Multilayer | Wire Wound

Category			0.6mm x 0.3mm [EIA 0201]	1.0mm x 0.5mm [EIA 0402]	1.6mm x 0.8mm [EIA 0603]	2.0mm x 1.6mm [EIA 0806]
Noise suppression focus frequency	Recommended Circuit					
For Bluetooth & WiFi Band (at 1.5GHz - 10GHz)	Audio Line	Headphone Microphone	**MAF0603GW** NEW 550Ω(900MHz) 125mA T=0.33mm Max.	**MAF1005GW** NEW 1000Ω(900MHz) 150mA T=0.55mm Max.		
For Cellular Band (at 700MHz - 2.7GHz)		Headphone Microphone		**MAF1005GA-A** 1000 to 3500Ω(900MHz) 270 to 450mA T=0.55mm Max.		
		Speaker Receiver		**MAF1005GA-D** 250 to 700Ω(900MHz) 800 to 1250mA T=0.55mm Max.	**MAF1608GA** 470 to 600Ω(900MHz) 1000 to 1600mA T=0.75/0.95mm Max.	
For Class D Amp Noise (at 100MHz - 400MHz)		Speaker Receiver			**MAF1608FA** 120 to 150Ω(100MHz) 1100 to 1350mA T=0.95mm Max.	**VAF201610FA-1** NEW 130 to 840Ω(100MHz) 2140 to 3080mA T=1.0mm Max.
For FM Band (at 66MHz - 108MHz)		Headphone Microphone		**MAF1005FS** 1000Ω(100MHz) 230mA T=0.75mm Max.		

For Power Line, Signal Line

Multilayer | Wire Wound

Category			2.5mm x 2.0mm [EIA 1008]	5.0mm x 5.0mm	6.0mm x 6.0mm
Noise suppression focus frequency	Recommended Circuit				
For Radiation Noise (at 20MHz - 100MHz)	Power Line Signal Line	LED Lighting	**MAF2520A** 60Ω(1MHz) 700mA T=1.0mm Max.		
For Conductive Noise (at 1MHz - 100MHz)	Power Line	Vaccume Cleaners Refrigerators Washing Machines		**VFS5045VA** NEW 30 to 1000Ω(10MHz) 1900 to 5100mA T=4.5mm Max.	**VFS6045VA** NEW 30 to 1000Ω(10MHz) 2500 to 6000mA T=4.5mm Max.
				VFS5045SA NEW 180Ω(1MHz) 1300mA T=4.5mm Max.	**VFS6045SA** NEW 450 to 1000Ω(1MHz) 500 to 900mA T=4.5mm Max.

Commercial Grade