

3M Absorbers Protect Down to 50MHz

The newest EMI absorbers from 3M are for applications requiring EMI control and signal integrity improvement in the 50MHz to 10GHz range. Common uses include reduction of noise and crosstalk inside mobile electronics, reduction of crosstalk and EMI on ribbon cables and flex cables, reduction of radiated IC noise, damping of radiation and oscillations inside shields and cavities, and increasing signal integrity on high-speed data lines through crosstalk reduction.

These absorbers are composed of a flexible polymer resin loaded with soft metal flakes on flexible, high permeability magnetic sheets. The 3M EMI Absorber AB7000 and AB7000HF have pressure-sensitive adhesive and are easily die cut into complex shapes. The AB7000HF absorber is low in halogen content.

The AB7000 and AB7000HF series products are broadband EMI absorbers designed to work in near-field applications inside and around electronic devices and assemblies. Each comes in four different thicknesses of both backing and adhesive.

3M serves original equipment manufacturers with OEM tapes, EMC and EMI-shielding products, antistatic masking tapes, heat shrink tubing and devices, liquid resins and adhesive transfers. 3M products are used for insulating wire harnesses, shielding against electromagnetic interference, protecting PCBs and electronic devices, and insulating electrical components. For more information about 3M EMI Absorber AB7000 and AB7000HF, contact the 3M Electrical Markets Division, A130-4N-36, 6801 River Place Blvd., Austin, Texas 78726-9000, USA, or call 800-676-8381. For more information about 3M OEM products, go to www.3M.com/electrical/oem.

The 3M Electrical Markets Division, based in Austin, Texas, designs, manufactures and markets products for electrical and electronic components, electrical construction, industrial maintenance, and utility and industrial power.

About 3M

A recognized leader in research and development, 3M produces thousands of innovative products for dozens of diverse markets. 3M's core strength is applying its more than 40 distinct technology platforms – often in combination – to a wide array of customer needs. With \$25 billion in sales, 3M employs 75,000 people worldwide and has operations in more than 60 countries. For more information, visit www.3M.com.

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