ARC Technologies Launches New Automotive Technology

SB1006, SB1009, SB1011 & MC1000

Advances in automotive radar sensor technology require that systems be flawlessly accurate and reliable. ARC Technologies can help get your technology up to speed with new radar absorber products SB1009, SB1006, and MC1000.

Automotive systems designers encounter unique problems with the development and deployment of high frequency radar systems in vehicles. Material selection is critical to the resolution of cavity resonance and interference issues. The ARC research and development team of physicists, metallurgists, chemists as well as thermoplastics, electrical and material engineers have perfected a family of optimal RF noise mitigation materials which can be formulated, molded or otherwise fabricated to best suit the application.

ARC Technologies SB and MC series absorbers are weather and chemical resistant and are suitable for use on the body in white, bumpers and other exterior surfaces.

SB1009 is a 2 mm thick flexible thermoplastic elastomer with excellent elongation giving it rubber-like properties. This product is optimized for W-band radar systems and resolves interference problems from 77 to 110 GHz.

SB1006 is also a flexible thermoplastic elastomer that is designed for good absorption over a broad frequency range at a thickness of 1mm. SB1006 is specifically designed for both 24 and 77 GHz.

SB1011 is a semi-rigid thermoplastic elastomer designed for good absorption over a wide frequency range, but optimized for higher levels such as 77 to 110 GHz.

MC1000 is a wideband, multilayer, gradient index absorber with a flexible thermoplastic elastomer. It provides outstanding far field reflection loss across W-band, from 75 to 110 GHz.

In addressing the needs of automotive radar designers ARC Technologies has drawn upon its 25 years of experience as the leading supplier of radar absorbing materials for military, aviation, marine and commercial applications to design solutions that can be technically advanced, cost effective, lightweight and durable. For more information on these products please visit our website or contact us at sales@arc-tech.com or 978-388-2993.

ARC Technologies, Inc. • 37 South Hunt Road • Amesbury, MA 01913
978-388-2993 • Fax: 978-388-6866 • www.arc-tech.com