

Broadband radio absorbers for mmWave

EC-SORB® MWP is a broadband-type radio wave absorber developed for high frequency range, especially mmWave range. This product is rich in weatherability, thermal shock resistance and incombustibility because of silicon resin for materials. The back side is Polyester film with Aluminum vapor deposition, it is enabled to attach by the normal rubber glues.

Absorbing performance by the measurement of Arch method,
MWP-10MB 30dB at 50GHz < (Fig. 1),
MWP-25MB 30dB at 20GHz < (Fig. 2), as Return Loss.

Size ;

MWP-10MB ; 100(W) x 100(L) x 15(H)mm (height = base 5mm, pyramid 10mm),

MWP-25MB ; 100(W) x 100(L) x 35(H)mm (height = base 10mm, pyramid 25mm)



MWP-10MB



MWP-25MB



MWP-10MB, MWP-25MB

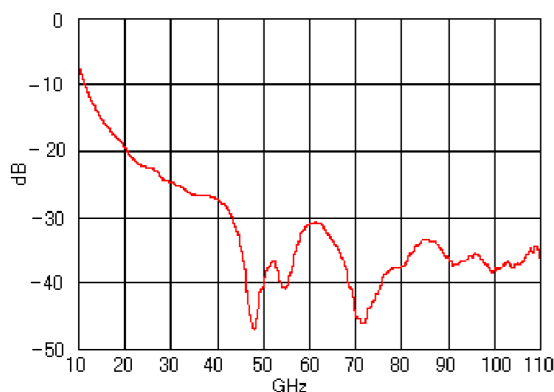


Fig. 1 MWP-10MB Return Loss (Arch method)

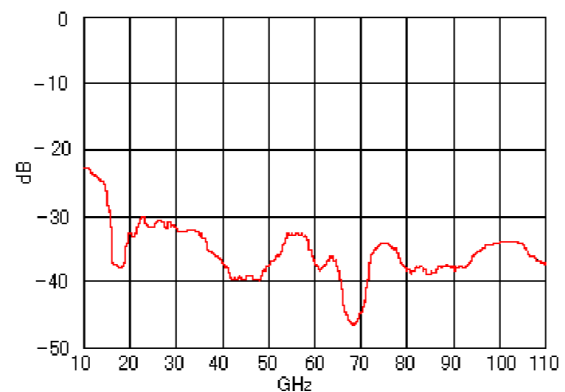


Fig. 2 MWP-25MB Return Loss (Arch method)