Abstracts

Microwave reflection and transmission properties of high-performance heat reflective glass

P. Hui, E.H. Lim and H.S. Tan. "Microwave reflection and transmission properties of high-performance heat reflective glass." 2000 Transactions on Microwave Theory and Techniques 48.4 (Apr. 2000, Part I [T-MTT]): 615-618.

Microwave reflections from both coated and uncoated sides of high-performance heat-reflective glass (HPNRG) can be minimized by the use of appropriately designed electrically conductive (EC) coatings. Formulas for optimal sheet conductance for the minimization of reflections from HPHRG are presented in this paper. Experimental results are presented for comparison with the theoretical model to confirm these findings.

❑ Return to main document.