# Abstracts

## A Technique for Fabricating Free Standing Electrically Thick Metallic Mesh and Parallel Wire Grids for Use as Submillimeter Wavelength Filters and Polarizers

*P.H. Siegel and J.A. Lichtenberger. "A Technique for Fabricating Free Standing Electrically Thick Metallic Mesh and Parallel Wire Grids for Use as Submillimeter Wavelength Filters and Polarizers." 1990 MTT-S International Microwave Symposium Digest 90.3 (1990 Vol. III [MWSYM]): 1311-1314.*

The electrically thick dichroic plate has been used widely as a frequency selective surface at infrared wavelengths since the early 1960's. At these high frequencies plates formed of metal mesh with a thickness and mesh size in the range of several microns can make excellent high pass filters. These dimensions are compatible with standard optical photolithographic processing techniques and the resulting filters can be either free standing or dielectrically backed.

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