

Abstracts

Circular TE_{0n} Mode Filters for a Guided Millimeter-Wave Transmission (1973 [MWSYM])

K. Hashimoto, S. Shimada and M. Koyama. "Circular TE_{0n} Mode Filters for a Guided Millimeter-Wave Transmission (1973 [MWSYM])." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 19-21.

This paper describes theoretical and experimental results of TE₀₂ and TE₀₃ mode filters for circular waveguides with large diameter. The experimental results show that the TE₀₁ insertion loss is less than 0.8 dB for the former and less than 0.4 dB for the latter over the 40 to 80-GHz frequency range. The attenuation loss of the undesired modes is more than 6 dB over the same frequency range for both filters.

[Return to main document.](#)