Abstracts

Dielectric Resonators Band Pass Filter with High Attenuation Rate

P. Guillon, M.P. Chong and Y. Garault. "Dielectric Resonators Band Pass Filter with High Attenuation Rate." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 240-242.

A bandpass filter with high attenuation cut off has been realized by cascading a bandpass filter containing dielectric resonators and a two dielectric resonators bandstop filter. The filter response has a higher cut off attenuation rate (26 db/10 MHz) compared to the original bandpass filter (14 db/10 MHz). The attenuation characteristics and return loss response show that the bandpass and the center frequency remain inchanged at 40 MHz and 4.015GHz respectively. The insertion losses are low (1db).

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