

Abstracts

Tchebyscheff Time-Delay Dielectric Band-Pass Filter Using Q Control Method of Normal Modes

Y. Ishikawa, K. Wakino, K. Takehara, T. Tanizaki and T. Nishikawa. "Tchebyscheff Time-Delay Dielectric Band-Pass Filter Using Q Control Method of Normal Modes." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. I [MWSYM]): 127-130.

We have developed a Tchebyscheff time-delay three-pole band-pass filter in the 900MHz band by using the Q control method of normal modes. The group delay ripple of the filter is 50nsec within the 300kHz bandwidth. The size of the equipment is W482.0 X D300.0 X H132.6 mm, and it can be put into a 19" standard rack. This filter is expected to be applicable for channel filters used in digital cellular base stations.

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