

# Abstracts

## Dielectric Receiving Filter with Sharp Stop Band Using Active Feedback Resonator Method for Cellular Base Stations (1989 Vol. II [MWSYM])

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*Y. Ishikawa, T. Nishikawa, J. Hattori and K. Wakino. "Dielectric Receiving Filter with Sharp Stop Band Using Active Feedback Resonator Method for Cellular Base Stations (1989 Vol. II [MWSYM])." 1989 MTT-S International Microwave Symposium Digest 89.2 (1989 Vol. II [MWSYM]): 591-594.*

800MHz band dielectric receiving filter with sharp stopband has been developed. By using the active feedback resonator method, unloaded Q of resonator having 1500 was raised to over 50000. And small size active bandstop filter with high rejection was obtained. Center frequency is 845.75MHz stopband width is 1.0MHz, and attenuation is 30dB. Physical size is 55x180x25mm.

[Return to main document.](#)