

Title (en)

ADJUSTABLE RADIOFREQUENCY FILTER IN PLANAR TECHNOLOGY AND METHOD OF ADJUSTING THE FILTER

Title (de)

EINSTELLBARES RF-FILTER IN DER PLANARTECHNIK UND VERFAHREN ZUR EINSTELLUNG DES FILTERS

Title (fr)

FILTRE RADIOFREQUENCES REGLABLE EN TECHNOLOGIE PLANAIRE ET PROCEDE DE REGLAGE DU FILTRE

Publication

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Application

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Abstract (en)

[origin: WO2012107543A1] The invention relates to an adjustable radiofrequency filter in planar technology comprising at least one dielectric substrate (8) and n resonators R1, R2,...Ri,... Rj,... Rk,...Rn integrated into the substrate. Each resonator comprises, on a principal plane PL of the substrate, a succession of stretches t1, t2,...tq,...tp of planar transmission lines each having two ends, p being the number of stretches of planar transmission lines of the resonator Ri considered, p being equal to or greater than 2, q being the rank of the stretch, an end of a stretch tq of a resonator Ri being opposite and separated by a distance d from an end of the next stretch t(q+1) of the same resonator Ri, the opposing ends of the successive stretches of a resonator Rq being linked by an electrical link (30, 34, 50, 52) which locally raises the characteristic impedance of the resonator Ri considered.

IPC 8 full level

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CPC (source: EP US)

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