

Title (en)

Broadband power microwave window.

Title (de)

Breitbandiges Leistungs-Mikrowellenfenster.

Title (fr)

Fenêtre hyperfréquence de puissance à large bande, à tenues mécanique et électrique améliorées.

Publication

EP 0424221 B1 19950315 (FR)

Application

EP 90402854 A 19901012

Priority

FR 8913535 A 19891017

Abstract (en)

[origin: EP0424221A1] The present invention relates to a microwave window comprising a circular pane (31) mounted in a circular waveguide segment (32) connected on either side to a rectangular waveguide (34) containing a transformer for matching (35). The diameter of the circular waveguide is less than the diagonal of the rectangle. <??>A wall (36) ensures a tight junction, in relation to the outside, between the rectangular waveguide (34) and the circular waveguide segment (32). Each wall (36) is provided with an opening (37) included in a right cross-sectional portion common to the rectangular waveguide (34) and to the circular waveguide segment (32). The surface area of the opening (37) is less than the surface area of the right cross-sectional portion. <??>Applications to microwave power windows, with wide band and improved electrical and mechanical performance. <IMAGE>

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IPC 8 full level

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