

Title (en)

VHV TRANSFO-RECTIFIER FOR SURFACE MOUNTING

Title (de)

EHT-GLEICHRICHTERTRANSFORMATOR FÜR OBERFLÄCHENMONTAGE

Title (fr)

TRANSFORMATEUR-REDRESSEUR T.H.T. POUR MONTAGE EN SURFACE

Publication

EP 0858668 A1 19980819 (FR)

Application

EP 97937637 A 19970819

Priority

- FR 9701500 W 19970819
- FR 9610304 A 19960820

Abstract (en)

[origin: WO9808237A1] The invention concerns a miniaturised VHV transfo-rectifier (a few kilovolts) for surface mounting on a screen printed ceramic substrate. The primary coil (7) and the secondary coils (N1 to N8) are respectively wound on separate legs (9, 10) of the magnetic circuit, sufficiently distanced from each other for obtaining a substantial escape self-induction coil. The secondary coil is formed by stacked flat coils (G1 to G8) each comprising a respective coil (N1 to N8) and the associated diode bridge (P1 to P8), with their respective connections. The primary coil is glued on a ceramic interface plate (16) which, like said flat coils (G1 to G8), is electro-plated on its wafer to form a transfer plane blended with the receptor substrate surface.

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IPC 8 full level

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Citation (search report)

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