

Title (en)
SWITCHING ELECTRONIC RELAY

Title (de)
ELEKTRONISCHES SCHALTRELAIS

Title (fr)
RELAIS ELECTRONIQUE DE COMMUTATION

Publication
EP 1435133 A1 20040707 (EN)

Application
EP 02734990 A 20020502

Priority
• CZ 0200026 W 20020502
• CZ 200111966 U 20010504

Abstract (en)
[origin: WO02091574A1] For switching of electromagnetic signals of a field of decametre up to centimetre waves, there is designed an electronic relay comprising at least two branches with a common node, each branch (X<1>, X<2>) being furnished with a dipole (A) having at least one diode (7) and being connected in series through a series capacitor (2) with a lowpass frequency LC-filter, the series capacitor (2) having a capacity value at least five times higher than a transition capacity of the diode (7). The dipole (A) is further connected to a source of a first control voltage (U1), while a source of a second control voltage (U2) is connected between an input and an earth terminal (5) of the low-frequency LC-filter. The applied network capacity element is connected to the earth terminal (5) and comprise a diode (7) having a threshold frequency lower than the highest switched frequency. Preferably the earth terminal (5) of the low-frequency LC-filter is connected to the ground via a grounding capacitor (6) having a capacity the value of which is at least five times higher than a transition capacity of the diode (7) of the low-frequency LC-filter.

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IPC 8 full level
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