

SOLID STATE ABSORBING CLAMP**ABSTRACT**

5 The invention relates to an absorbing clamp used for testing power disturbance or
radiated electromagnetic interference in electrical or electronic appliances. A series of
current transformers are provided along the appliance power cable, and the secondary
winding of each is sequentially connected to a spectrum analyser. In order to create the
necessary standing wave in the cable the transformers between the one currently under test
and the appliance are short circuited and the transformers on the other side are open
10 circuited. The cable is permanently encased with the transformers in a serpentine
configuration to reduce size.

Figure 4