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(54) Title: SURFACE MOUNT COUPLER DEVICE

(57) Abstract

A surface mount coupler device (10) having a plurality of terminations (A, B, C, D) located thereon is provided. The device (10) is particularly useful in high frequency applications to provide coupling between a main line to be sampled and a feedback control loop, without direct electrical contact. The device body (26) has a rigid insulative substrate (28) to which one or more layers (30, 66, 68, 220) of insulative polymer are applied. The insulative polymer defines conductor channels in which primary and secondary conductor (32, 34, 42, 44, 50, 52) are located. The primary and secondary conductors (32, 34, 42, 44, 50, 52) are electrically connected to a respective pair of the terminations (A, B, C, D) located on the device body (26). A sealing cover (70), preferably glass, is located above the polymeric insulative layers (30, 66, 68, 220).

