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15 APR 2002



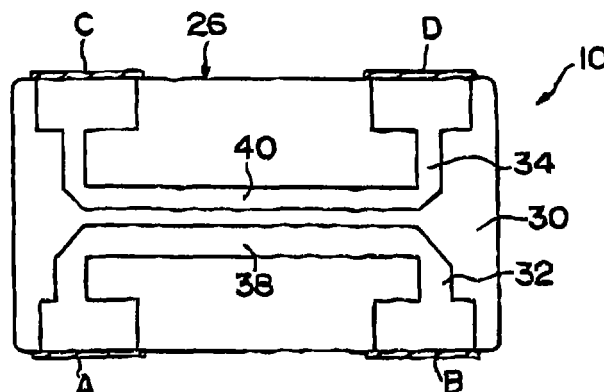
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H01P 5/18	A1	(11) International Publication Number: WO 99/19934
		(43) International Publication Date: 22 April 1999 (22.04.99)
(21) International Application Number: PCT/US98/20386 (22) International Filing Date: 30 September 1998 (30.09.98) (30) Priority Data: 08/950,844 15 October 1997 (15.10.97) US (71) Applicant: AVX CORPORATION [US/US]; 801 17th Avenue South, Myrtle Beach, SC 29578 (US). (72) Inventors: GOLDBERGER, Haim; Nahal Snir Street 31, 71700 Modi'in (IL). REFAELY, Isaac; Emek Dotan Street 84, 71700 Modi'in (IL). ELRON, Ehud; Shikun Harhel 10, 96223 Jerusalem (IL). (74) Agents: KILLEN, Craig, N. et al.; Dority & Manning, P.A., P.O. Box 1449, Greenville, SC 29602-1449 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (OH, OM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.

(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).



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