



Electronic Parts and Components

Press Release for the Trade Media

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RJ45 LAN jacks Low insertion loss and high noise suppression

EPCOS has developed RJ45 LAN jacks with integrated magnetic modules for the electrical isolation of common and differential-mode interference. They are available in single, dual and quad-port versions and correspond to IEEE 802.3. The housing design satisfies UL 94 V-0 and TIA-968.

The electrical isolation can withstand a breakdown voltage of 1500 V AC. The modules have an insertion loss of only -1.0 dB. Values of -16 and -40 dB are attained for the reflection loss and crosstalk respectively. The components are designed for a temperature range from 0 °C to +70 °C. Two integrated LEDs display the status of the network connection. Applications include hubs, routers, DSL modems as well as industrial automation equipment, PCs and laptops. The jacks are suitable for 10/100 Base-T, 1000 Base-T, and PoE (Power over Ethernet).

You can download the text of this press release and the related images from www.epcos.com/tradepress
Further information on this topic can be found at www.epcos.com/lan_modules

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