Isolation Transformer

Designed for use with Conexant's SMART HCF FF2A chipset technology, the new PCMCIA surface mount SM75570 Isolation Transformer from Datatronics is both space and cost efficient.

This isolation transformer features a turns ration of 1:2.0 ± 2.0 percent, an OCL of 40μH at 100 KHz, and SRF measuring a typical 4.0 MHz making the SM75570 an ideal choice for use in broadband Internet applications where is height is a main concern. Offering a unique combination of low profile, high-performance and reliability, the interwinding capacitance is 10 pF maximum at 1 MHz while the DCR value is 0.2 to 0.4 Ohms. The primary and secondary HIPOT measures 1500VRMS.

The compact SMT Package, features a PCMCIA profile, flat top, rectangular design; the SM75570 is available in either tube or tape-and-reel packaging making it ideal for automated pick and place manufacturing. A maximum height profile measures just 0.09 inches (2.3 ± 0.05 mm), while the footprint profile measures only 0.49 inches (12.6 mm) by 0.39 inches (10.0 mm) making it particularly useful where circuit board real estate is at a premium.

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