



OXFORD ELECTRICAL PRODUCTS

56 kbit modem transformers

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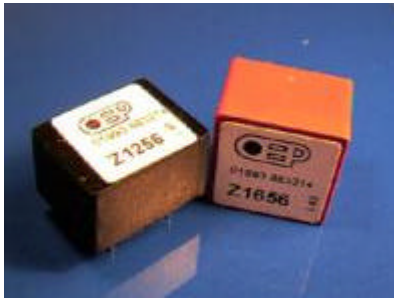
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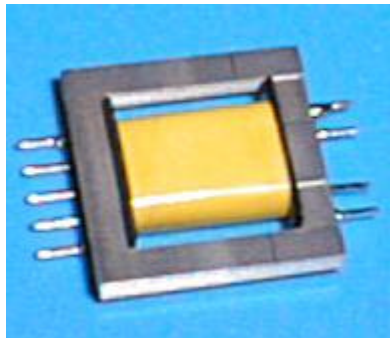
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GENERAL

The advent of high-speed 56kBit modems has necessitated the design of Line Isolation Transformers that are capable of providing extremely low distortion across a wide frequency range.

OEP offers the user a number of different variants, with industry standard pin outs, from which to select a device to satisfy particular technical and commercial considerations.



CONSTRUCTION

With the exception of the SMD PC Card device, P/N PC3456 these transformers are designed for conventional PCB mounting. The epoxy resin encapsulation provides reinforced insulation to meet the requirements of EN60950 / EN41003 and BABT approvals. Double section bobbins are used except for the Z1656/4 and PC3456 versions which are concentrically wound on single section bobbins for closer coupling of the windings thus providing extremely low leakage inductance figures.

Characteristics

[Through Hole Versions](#)

Part No.	Size (mm)	Return Loss (dB) 200-4kHz	Insertion Loss (dB) @1kHz	Frequency Response (dB)	Harmonic Distortion		Isolation Volts RMS	Leakage Induct. (mH)	BABTCert. Of Recognition Approval
					400Hz (dB) typical	600Hz (dB) typical			

Z1656	18x18x13 encapsulated	>20	0.80	100-4kHz +/- 0.1dB	-100	-93	3750	19	CR/0125
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Z1656/4	18x18x15 encapsulated	>20	0.80	100-4kHz +/- 0.1dB	-88	-91	3750	2.8	CR/0126
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Z1612E	18x18x13 encapsulated	>20	1.50	200- 4kHz+/- 0.1dB	-83	-93	3750	19.4	CR/0128
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Z1256	19x15x11.2 encapsulated	>26	1.25	50- 5kHz+/- 0.07dB	-84	-93	3750	14.4	CR/0127
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[PC Card \(SMD\) Version](#)

PC3456	23x16x4.5 including pins	>31	4.00	100- 5kHz+/- 0.05dB	-97	-104	1500	1.3	Pending
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