



DW3316 Coupled Inductors for xDSL

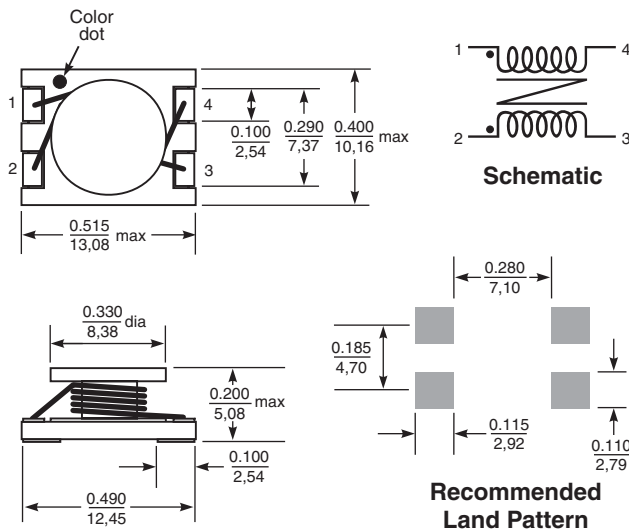


The DW3316 features a unique dual winding configuration that provides two balanced coupled inductors in a single package. This increases circuit efficiency, reduces component count and conserves valuable board space. Interwinding isolation for this part is 500 Vrms.

The design is optimized for various xDSL filtering applications and its small size and low profile make it particularly attractive for central office equipment.

Other applications include use as a common mode choke or a 1:1 transformer.

In addition to the standard inductance values shown, Coilcraft can customize these inductors to help achieve specific corner frequencies.



Part number	Inductance ¹ ±20% (mH)	DCR max (Ohms)	SRF ² typ (MHz)	Isat ³ (mA)
DW3316-155	1.5	10.8	1.70	300
DW3316-275	2.7	18.0	1.25	230
DW3316-335	3.3	20.0	1.10	180
DW3316-395	3.9	23.0	0.968	160
DW3316-475	4.7	26.0	0.850	160
DW3316-685	6.8	42.0	0.690	150

1. Inductance is per winding, tested at 10 kHz, 0.1 Vrms, 0 Adc.

2. SRF is measured using an Agilent/HP 8753D network analyzer.

3. DC current at which the inductance drops 10% (typ) from its value without current.

4. Operating temperature range -40°C to +85°C.

5. Electrical specifications at 25°C.

See Qualification Standards section for environmental and test data.

Terminations: Nickel/gold over phos bronze

Tape and reel: 250/7" reel; 750/13" reel 24 mm tape width

For packaging data see Tape and Reel Specifications section.

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Specifications subject to change without notice.

Please check our website for latest information.

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