DW3316 Coupled Inductors for xDSL

- Coupled inductor optimized for xDSL filtering applications
- Can be used as a common mode choke, 1:1 transformer or in SEPIC applications

Core material
- Ferrite

Terminations
- RoHS compliant gold over nickel over phos bronze. Other terminations available at additional cost.

Weight
- 1.13 – 1.34 g

Ambient temperature
- -40°C to +85°C

Storage temperature
- Component: -40°C to +85°C. Tape and reel packaging: -40°C to +80°C

Resistance to soldering heat
- Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Moisture Sensitivity Level (MSL)
- 1 (unlimited floor life at <30°C / 85% relative humidity)

Failures in Time (FIT) / Mean Time Between Failures (MTBF)
- 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

Packaging
- 750 per 13" reel Plastic tape: 24 mm wide, 0.36 mm thick, 16 mm pocket spacing, 5.5 mm pocket depth

PCB washing
- Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

1. When ordering, please specify termination and packaging codes:

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   DW3316-685MLD
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Termination: L = Gold over nickel over phos bronze terminations
- Special order. T = RoHS tin-silver-copper (95.5/4/0.5) or S = non-RoHS tin-lead (63/37).

Packaging:
- D = 13" machine-ready reel. EIA-481 embossed plastic tape (750 parts per full reel).
- B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter C instead.

2. Inductance is per winding, tested at 10 kHz, 0.1 Vrms, 0 Adc using an Agilent/HP 4263B LCR meter or equivalent.

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

4. DC current at which the inductance drops 10% (typ) from its value with out current.

5. Electrical specifications at 25°C.

- Refer to Doc 362 “Soldering Surface Mount Components” before soldering.