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)

### 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.

### Inductance
- ±20% typ
- Tested at 10 kHz, 0.1 Vrms, 0 Adc using an Agilent/HP 4263B LCR meter or equivalent.

### SRF
- Measured using an Agilent/HP 8753D network analyzer.

### DC Current
- At which the inductance drops 10% (typ) from its value without current.

### Electrical Specifications
- At 25°C.
- Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

### Dimensions
- Width (max) 0.330
- Height (max) 0.490
- Allow an additional 0.01/0.254 in length and 0.005/0.127 in height for optional tin-lead and tin-silver-copper application.