Combination Filter Chokes

- Combined common and differential mode filtering in a single component
- Provide differential filtering at higher frequencies (>1000 Ohms @ 50 MHz)
- 2000 Vrms, one minute isolation (hipot) between windings
- AEC-Q200 Grade 2 (–40°C to +105°C)

### Core material
Ferrite

### Terminations
RoHS compliant tin-silver (96.5/3.5) over copper

### Weight
PDMC-T124 21.53 g, PDMC-T454 16.25 g

### Ambient temperature
–40°C to +105°C

### Max part temperature
+145°C (ambient + temp rise)

### Storage temperature
Component: –40°C to +145°C.

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

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

### Schematic

#### Recommended Land Pattern

### Part Code

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<th>Part Code</th>
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<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
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Combination Line Chokes – Common and Differential Mode

Typical Attenuation (Ref: 50 Ohms)

![Typical Attenuation Graph](image1)

Typical Impedance vs Frequency

![Typical Impedance Graph](image2)