Shielded, SMT Power Inductors

Special Features
- High current capacity
- Magnetically shielded
- Low DCR
- Ferrite bobbin core
- Low profile, compact size
- High heat resistance, ideal for reflow soldering
- High reliability
- Test frequency 1 KHz
- Operating temperature -20 to +105 °C
- Tape & reel packaged 400/reel

Typical Applications
- High reliability, low magnetic coupling and densely packed board design
- Small cell phones
- PDAs
- Pagers
- Flash memory programmers
- Notebook computers
- Battery chargers
- DC/DC converters
- Network cards
- Switching boards
- Industrial electronics
- Entertainment electronic devices

Notes
* Saturation current to cause 10 % inductance drop
** Rated current to cause 40 °C temperature rise
*** Closest alternative; these models are available on requests as projects only. Please consult a Bourns application engineer for the solution that best suits your needs.

PM12565S Series

<table>
<thead>
<tr>
<th>Part Number</th>
<th>L (µH) ± 30%</th>
<th>DCR (Ω) Max.</th>
<th>I, sat.* (A)</th>
<th>I, rated** (A)</th>
<th>Bourns Equivalent</th>
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<tr>
<td>PM12565S-2R0-RC</td>
<td>2</td>
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<td>7.3</td>
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Dimensions: mm
Tolerance: -/+0.35

Obsolete