### Power Chip Shielded Inductors PCSHC2D18

#### Features
- Shielded SMD Power Inductor
- Low DC resistance
- Ideal for DC-DC converter applications

#### Electrical
- **Inductance Range**: 1.7µH to 22µH
- **Tolerance**: 30% over entire range
- Also, available in tighter tolerances
- **Operating Temp**: -30°C ~ +100°C
- **Rated Current**: Current at which inductance drops by 35% of initial value
- **Irms**: Current at which the ΔT=40°C

#### Resistance to Soldering Heat
- Pre-Heat 150°C, 1 minute.
- **Solder Composition**: Sn/Ag3.0/Cu0.5
- **Solder Temp**: 260°C ± 5°C for 10 sec. ± 1 sec.

#### Test Equipment
- (L): HP 4192A LF Impedance Analyzer
- (RDC): Chen Hwa 502
- (IDC): HP4284A + HP42841A

#### Physical
- **Packaging**: 1000 pieces per 7 inch reel.
- **Marking**: As noted

#### Allied Part Number | Inductance (µH) | Tolerance (%) | Test Freq. (kHz, 1v) | DCR (Ω) Max | Rated Current (A) | Irms (A) Typ | Marking |
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<td>1.7</td>
<td>30</td>
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<td>1.85</td>
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All specifications subject to change without notice.