

• All the data listed in this catalogue are for reference only, TAI-TECH reserves the right to alter or revise the specifications without prior notification.

On-Board Type Hi-Current Power Inductors



Ultra High Current Power Inductors DLPI Series

DLPI Series (Patent obtained. Patent No.: M269554, Taiwan)

DIP Type Ultra High Current Power Inductor.



■ Features

1. Lowest height (9.0mm/max.) in this package footprint.
2. Lowest DCR/ μ H, in this package size.
3. Handles high transient current spikes without saturation.
4. Ultra low buzz noise, due to composite construction.
5. The products contain no lead and also support lead-free soldering.

■ Applications

Excellent for power line DC-DC conversion applications used in power switching, personal computers and other handheld electronic equipment.

■ Lead Free Part Numbering

DLPI **129N** - **R60** **M**
 A B C D

A : Series
 B : Dimension A x C
 C : Inductance R60=0.60uH
 D : Inductance Tolerance M=±20%

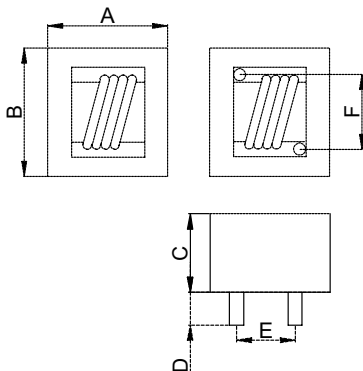
● 特徵

1. 同尺寸(9.0mm/max.)高度最低。
2. 同尺寸直流阻抗最低。
3. 可確保耐電流電感值降幅平順。
4. 一體成型的結構可防止噪音。
5. 產品無鉛適合無鉛銲錫。

● 應用

適合用於電源供應器、個人電腦和其他掌上型電子設備中電源線路上直流對直流整流的應用。

■ Dimensions



| Series | Size | | | | | |
|-----------|-----------|-----------|----------|---------|---------|---------|
| | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | F(mm) |
| DLPI 129N | 13.0 max. | 14.0 max. | 9.0 max. | 3.5±0.5 | 6.0±0.5 | 7.3±0.5 |

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■ **DLPI 129N Series**

| Part Number | Inductance Lo (uH) | Test Frequency (Hz) | DCR (mΩ) max. | Irms (A) max. | Isat (A) max. |
|----------------|--------------------|---------------------|---------------|---------------|---------------|
| DLPI 129N-R60M | 0.60 ± 20% | 0.25V/100K | 1.0 | 30 | 40 |

Note:

1. Testing Instrument : L:HP4192A, CH1302, CH3320, CH3320S LCR METER /Rdc:Agilent33420A MICRO OHMMETER.
2. Heat Rated Current (Irms) will cause the coil temperature rise approximately $\Delta T=60^{\circ}\text{C}$ without core loss.
3. Isat (A) will cause L0 to drop approximately 20%
4. The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions.

■ **Typical Performance Curves**

