

### ◆ Feature

1. Automatic process.
2. Available in magnetically shielded.
3. New designed terminal for low cost.
4. Low DC resistance.
5. Low profile and high currents.
6. RoHS compliant.



### ◆ Application

Excellent for power line DC-DC conversion applications used in power switching, such as Mobile phone, MP3 / MP4, DSC / DVC, PDA / GPS, Portable Hard Disk / TV.

### ◆ How to Order

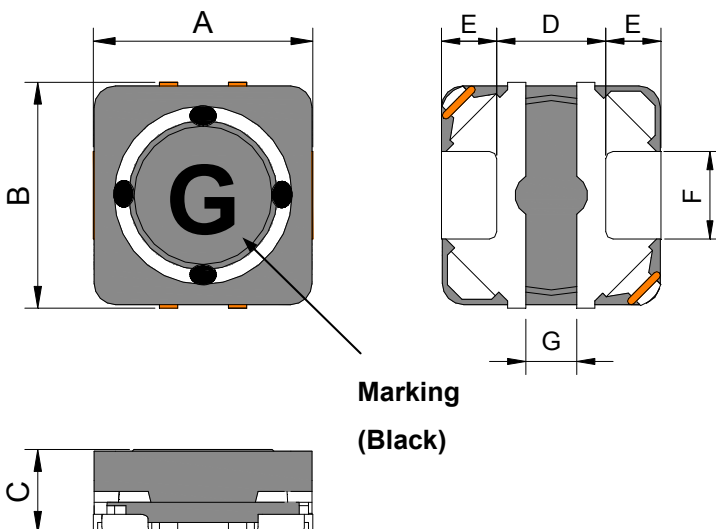
IPI    3D14    N    3R3    N    A1  
 (1)        (2)        (3)        (4)        (5)        (6)

- (1) Product Series
- (2) Dimensions
- (3) Model code
- (4) Inductance Code
- (5) Inductance Tolerance Code: M-±20%, N-±30%
- (6) Control S/N

### ◆ Dimension

Unit: mm

Series	A	B	C	D	E	F	G
IPI3D14N Series	4.0±0.2	4.0±0.3	1.5 max.	2.1 typ.	0.96 typ.	1.6 typ.	1.1 typ.



### ◆ Specification

Part Number	Inductance L (μH)	Rated Current		DCR (mΩ) ±20%
		I <sub>RMS</sub> (A)	I <sub>SAT</sub> (A)	
IPI3D14N-1R0N-A1	1.0	2.30	2.30	43
IPI3D14N-1R5N-A1	1.5	2.05	2.00	50
IPI3D14N-2R2N-A1	2.2	1.85	1.70	57
IPI3D14N-3R3N-A1	3.3	1.60	1.30	80
IPI3D14N-4R7M-A1	4.7	1.25	1.10	99
IPI3D14N-5R6M-A1	5.6	1.20	1.00	120
IPI3D14N-6R8M-A1	6.8	1.15	1.00	130
IPI3D14N-100M-A1	10	1.00	0.78	190
IPI3D14N-150M-A1	15	0.88	0.63	280
IPI3D14N-220M-A1	22	0.80	0.57	340
IPI3D14N-330M-A1	33	0.56	0.44	530
IPI3D14N-470M-A1	47	0.40	0.35	750
IPI3D14N-101M-A1	100	0.30	0.27	1730

Note:

1. Test Frequency - L : 100KHz / 0.1Vdc
2. Testing Instrument - L : HP4285A, RDC : Chroma 16502
3. Heat Rated Current (I<sub>rms</sub>) - Based on temperature rise ( $\Delta T$  : 40°C TYP.).
4. Saturation Current (I<sub>sat</sub>) - Based on inductance change ( $\Delta L/L_0$  :  $\leq -30\%$ ) @ ambient temp. 25°C

### ◆ Package

Dimensions	Height			
	1.0 mm	1.2 mm	1.5 mm	1.6~2.0 mm
3.0x3.0 mm	IPC3010F	IPI2D11N	IPI2D14N	IPI2D18N
		IPC3012F	IPC3015F	IPC3020F
4.0x4.0 mm	IPC4010F	IPI3D11N	IPI3D14N	IPI3D16N
		IPC4012F	IPC4015F	IPC4018F
5.0x5.0 mm	IPC5010F	IPI4D11NT	IPI4D14N	IPI4D18N
		IPC5012F	IPC5015F	IPC5020F
<b>Package</b>				
<b>Standard Packing Quantity (pcs/reel)</b>		3000		