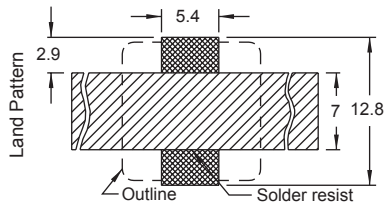
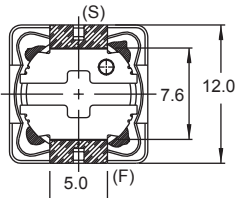
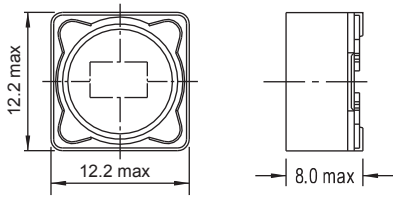
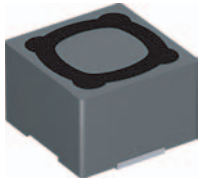
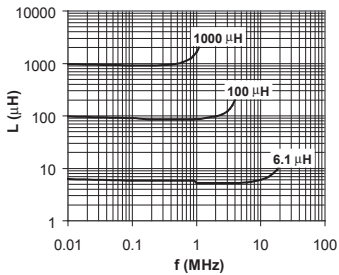


# PIS 4728

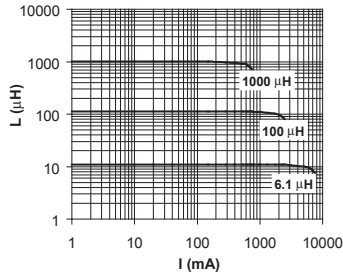


\* In order to prevent short circuit, a solder resist is recommended

Typical L vs Frequency(f)



Typical L vs Current



| Part No         | Inductance<br>L (µH) | f <sub>L</sub><br>(kHz) | Tol<br>± (%) | DCR<br>max<br>(mΩ) | Rated DC<br>Current<br>I <sub>sat</sub> (A) |
|-----------------|----------------------|-------------------------|--------------|--------------------|---|
| PIS4728-1R2N-04 | 1.2                  | 100                     | 30           | 7                  | 9.8   |
| PIS4728-2R4N-04 | 2.4                  | 100                     | 30           | 11.5               | 8   |
| PIS4728-3R5N-04 | 3.5                  | 100                     | 30           | 13.5               | 7.5   |
| PIS4728-4R7N-04 | 4.7                  | 100                     | 30           | 15.8               | 6.8   |
| PIS4728-6R1N-04 | 6.1                  | 100                     | 30           | 17.6               | 6.6   |
| PIS4728-7R6N-04 | 7.6                  | 100                     | 30           | 20                 | 5.9   |
| PIS4728-100M-04 | 10                   | 1                       | 20           | 21.6               | 5.4   |
| PIS4728-120M-04 | 12                   | 1                       | 20           | 24.3               | 4.9   |
| PIS4728-150M-04 | 15                   | 1                       | 20           | 27                 | 4.5   |
| PIS4728-180M-04 | 18                   | 1                       | 20           | 39.2               | 3.9   |
| PIS4728-220M-04 | 22                   | 1                       | 20           | 43.2               | 3.6   |
| PIS4728-270M-04 | 27                   | 1                       | 20           | 45.9               | 3.4   |
| PIS4728-330M-04 | 33                   | 1                       | 20           | 64.8               | 3   |
| PIS4728-390M-04 | 39                   | 1                       | 20           | 72.9               | 2.75  |
| PIS4728-470M-04 | 47                   | 1                       | 20           | 100                | 2.5   |
| PIS4728-560M-04 | 56                   | 1                       | 20           | 110                | 2.35  |
| PIS4728-680M-04 | 68                   | 1                       | 20           | 140                | 2.1   |
| PIS4728-820M-04 | 82                   | 1                       | 20           | 160                | 1.95  |
| PIS4728-101M-04 | 100                  | 1                       | 20           | 220                | 1.7   |
| PIS4728-121M-04 | 120                  | 1                       | 20           | 250                | 1.6   |
| PIS4728-151M-04 | 150                  | 1                       | 20           | 280                | 1.42  |
| PIS4728-181M-04 | 180                  | 1                       | 20           | 350                | 1.3   |
| PIS4728-221M-04 | 220                  | 1                       | 20           | 390                | 1.6   |
| PIS4728-271M-04 | 270                  | 1                       | 20           | 560                | 1.06  |
| PIS4728-331M-04 | 330                  | 1                       | 20           | 640                | 0.95  |
| PIS4728-391M-04 | 390                  | 1                       | 20           | 700                | 0.88  |
| PIS4728-471M-04 | 470                  | 1                       | 20           | 980                | 0.79  |
| PIS4728-561M-04 | 560                  | 1                       | 20           | 1070               | 0.73  |
| PIS4728-681M-04 | 680                  | 1                       | 20           | 1480               | 0.67  |
| PIS4728-821M-04 | 820                  | 1                       | 20           | 1640               | 0.6   |
| PIS4728-102M-04 | 1000                 | 1                       | 20           | 1820               | 0.55  |

Material : Ferrite  
SPQ : Reel 500 [-04]

Remark : I<sub>sat</sub> - see description in Inductors Technical Data page 51

SMD Power Inductors & Shielded