

**PISG**

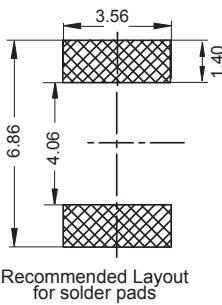
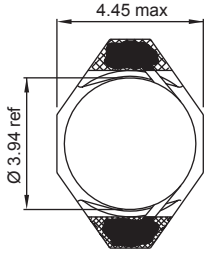
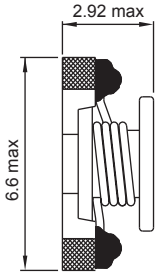
Engineer's Kit : EK-PISG



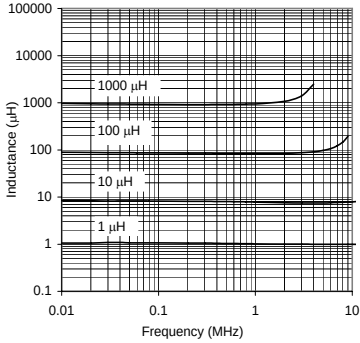
| Part No      | Inductance<br>L (μH) | f <sub>L</sub><br>(MHz) | Tol<br>± (%) | SRF<br>min<br>(MHz) | DCR<br>max<br>(Ω) | Rated DC<br>Current (A) |                        |
|--------------|----------------------|-------------------------|--------------|---------------------|-------------------|-------------------------|------------------------|
|              |                      |                         |              |                     |                   | I <sub>sat</sub>        | I <sub>ΔT</sub> = 30°C |
| PISG-1R0M-01 | 1                    | 0.1                     | 20           | 130                 | 0.05              | 2.9                     | 2.9                    |
| PISG-1R5M-01 | 1.5                  | 0.1                     | 20           | 115                 | 0.06              | 2.6                     | 2.8                    |
| PISG-2R2M-01 | 2.2                  | 0.1                     | 20           | 90                  | 0.07              | 2.3                     | 2.4                    |
| PISG-3R3M-01 | 3.3                  | 0.1                     | 20           | 70                  | 0.08              | 2                       | 2                      |
| PISG-4R7M-01 | 4.7                  | 0.1                     | 20           | 50                  | 0.09              | 1.5                     | 1.5                    |
| PISG-6R8M-01 | 6.8                  | 0.1                     | 20           | 45                  | 0.13              | 1.2                     | 1.4                    |
| PISG-100M-01 | 10                   | 0.1                     | 20           | 35                  | 0.16              | 1.1                     | 1.1                    |
| PISG-150M-01 | 15                   | 0.1                     | 20           | 30                  | 0.23              | 0.9                     | 1.2                    |
| PISG-220M-01 | 22                   | 0.1                     | 20           | 20                  | 0.37              | 0.7                     | 0.8                    |
| PISG-270M-01 | 27                   | 0.1                     | 20           | 15                  | 0.51              | 0.65                    | 0.7                    |
| PISG-330M-01 | 33                   | 0.1                     | 20           | 15                  | 0.51              | 0.58                    | 0.6                    |
| PISG-470M-01 | 47                   | 0.1                     | 20           | 14                  | 0.64              | 0.5                     | 0.5                    |
| PISG-560M-01 | 56                   | 0.1                     | 20           | 11                  | 0.86              | 0.4                     | 0.4                    |
| PISG-680M-01 | 68                   | 0.1                     | 20           | 11                  | 0.86              | 0.4                     | 0.4                    |
| PISG-101M-01 | 100                  | 0.1                     | 20           | 9                   | 1                 | 0.4                     | 0.3                    |
| PISG-151M-01 | 150                  | 0.1                     | 20           | 6                   | 2                 | 0.27                    | 0.25                   |
| PISG-221M-01 | 220                  | 0.1                     | 20           | 5.5                 | 3.11              | 0.22                    | 0.2                    |
| PISG-331M-01 | 330                  | 0.1                     | 20           | 5                   | 3.8               | 0.18                    | 0.16                   |
| PISG-471M-01 | 470                  | 0.1                     | 20           | 4                   | 5.06              | 0.16                    | 0.15                   |
| PISG-561M-01 | 560                  | 0.1                     | 20           | 3                   | 9                 | 0.15                    | 0.15                   |
| PISG-681M-01 | 680                  | 0.1                     | 20           | 3                   | 9.2               | 0.14                    | 0.12                   |
| PISG-102M-01 | 1000                 | 0.1                     | 20           | 2                   | 13.8              | 0.1                     | 0.07                   |

Material : Ferrite  
SPQ : Reel 750 [-01]

Remark : I<sub>sat</sub> & I<sub>ΔT</sub> - see description in inductors  
Technical Data page 58



Typical L vs Frequency(f)



All dimensions in mm  
SMD Power Inductors & Shielded