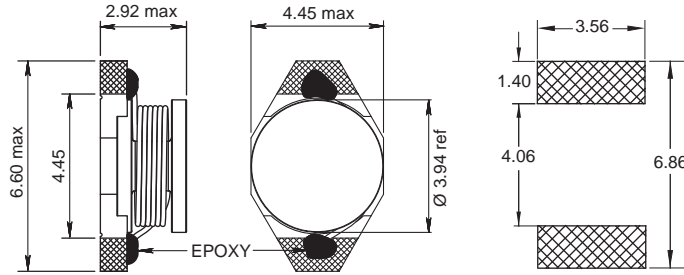


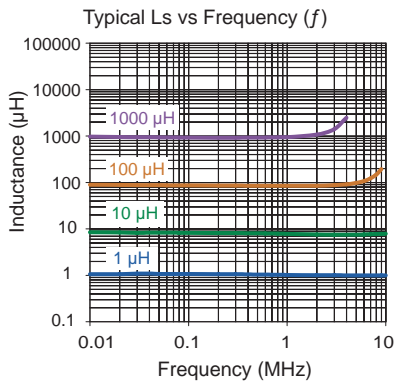
# PISG



With Leadfree Tinned Terminal  
Engineer's Kit: EK-PISG-X



Recommended Layout for solder pads



| Part No      | Inductance | f <sub>L</sub> | Tol   | SRF       | DCR     | Rated DC Current (A) |                        |
|--------------|------------|----------------|-------|-----------|---------|----------------------|------------------------|
|              | L (µH)     | (MHz)          | ± (%) | typ (MHz) | max (Ω) | I <sub>sat</sub>     | I <sub>ΔT = 30°C</sub> |
| PISG-1R0M-01 | 1.0        | 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    | 2.0                  | 2.0                    |
| 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                  | 1.2                    |
| PISG-150M-01 | 15         | 0.1            | 20    | 30        | 0.23    | 0.9                  | 1.1                    |
| 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    | 0.50                 | 0.5                    |
| PISG-560M-01 | 56         | 0.1            | 20    | 11        | 0.86    | 0.40                 | 0.4                    |
| PISG-680M-01 | 68         | 0.1            | 20    | 11        | 0.86    | 0.40                 | 0.4                    |
| PISG-101M-01 | 100        | 0.1            | 20    | 9         | 1.00    | 0.40                 | 0.3                    |
| PISG-151M-01 | 150        | 0.1            | 20    | 6         | 2.00    | 0.27                 | 0.25                   |
| PISG-221M-01 | 220        | 0.1            | 20    | 5.5       | 3.11    | 0.22                 | 0.20                   |
| PISG-331M-01 | 330        | 0.1            | 20    | 5         | 3.80    | 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         | 9.00    | 0.15                 | 0.15                   |
| PISG-681M-01 | 680        | 0.1            | 20    | 3         | 9.20    | 0.14                 | 0.12                   |
| PISG-102M-01 | 1000       | 0.1            | 20    | 2         | 13.8    | 0.10                 | 0.07                   |

**Core Material:** Ferrite  
**Base Material:** Ceramic

Revision date: 29 Nov 2023

**SPQ:** Taped / Reel 750 [-01]

**Remarks:** - I<sub>sat</sub> & I<sub>ΔT</sub> - see description in inductors Technical Data.  
- Welding secured by epoxy dot.