**TH Power Inductors – AGP2923**

- AEC-Q200 Grade 1 qualified
- Ideal for a variety of automotive applications
- Designed for high temperature environments – up to 140°C ambient
- Developed for high current power supply applications with high saturation current requirements
- Through-hole vertical mounting allows for a small footprint
- Four additional mounting pins provides stability and excellent board adhesion in high-vibration environments
- Flat wire windings for extremely low DC and AC resistance

**Part number** | **Inductance** | **DCR (mOhms)** | **SRF** | **Isat (A)** | **Irms (A)**  
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AGP2923-332KL | 3.3 | 2.3 | 2.6 | 40 | 95 | 104 | 108 | 19 | 26  
AGP2923-472KL | 4.7 | 2.3 | 2.6 | 30 | 63 | 69 | 72 | 19 | 26  
AGP2923-682KL | 6.8 | 2.3 | 2.6 | 25 | 48 | 53 | 56 | 19 | 26  
AGP2923-103KL | 10 | 2.3 | 2.6 | 20 | 30 | 34 | 37 | 19 | 26  
AGP2923-153KL | 15 | 2.3 | 2.6 | 16 | 20.5 | 23 | 24.5 | 19 | 26  
AGP2923-223KL | 22 | 2.3 | 2.6 | 13 | 12.2 | 14.7 | 16.4 | 19 | 26  
AGP2923-333KL | 33 | 2.3 | 2.6 | 10 | 7.5 | 9.2 | 10.3 | 19 | 26  

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1. Inductance tested at 300 kHz, 0.1 Vrms on Agilent/HP 4192A.
2. DCR measured on a Keithley 580 micro-ohmmeter or equivalent.
3. SRF measured on an Agilent/HP 4395A network analyzer and an Agilent/HP 16093B test fixture.
4. DC current at 25°C that causes the specified inductance drop from its value without current. Click for temperature derating information.
5. Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings. Click for temperature derating information. When Irms is greater than Isat, Isat is the more critical specification and Irms is shown in gray type.
Through Hole Power Inductors – AGP2923 Series

L vs Current

L vs Frequency

Dimensions are in inches / mm

Recommended PC board slots for TH terminals

Recommended PC board holes for mounting pins