

Excellent Integrated System Limited

Stocking Distributor

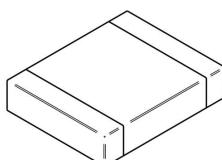
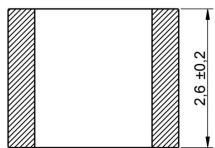
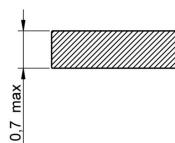
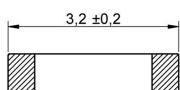
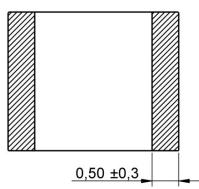
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Wurth Electronics Inc](#)
[74479897150](#)

For any questions, you can email us directly:

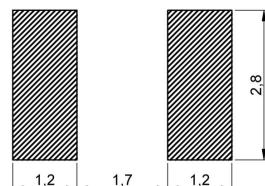
sales@integrated-circuit.com

A Dimensions: [mm]



Scale - 10:1

B Recommended land pattern: [mm]



Scale - 10:1

C Schematic:



Properties	Test conditions	Value	Unit	Tol.
Inductance	1 MHz/ 5 mA	L	0.5	µH
Rated current	ΔT = 20 K	I _R	2000	mA typ.
Rated current	ΔT = 40 K	I _R	2900	mA typ.
Saturation current	ΔL/L = 30%	I _{sat}	1100	mA typ.
DC Resistance	@ 20°C	R _{DC}	25	mΩ
Self resonant frequency		f _{res}	90	MHz min.
Q-factor	1 MHz/ 5 mA	Q	25	
Type of application			Low Profile	

D Electrical Properties:

Properties	Test conditions	Value	Unit	Tol.
Inductance	1 MHz/ 5 mA	L	0.5	µH
Rated current	ΔT = 20 K	I _R	2000	mA typ.
Rated current	ΔT = 40 K	I _R	2900	mA typ.
Saturation current	ΔL/L = 30%	I _{sat}	1100	mA typ.
DC Resistance	@ 20°C	R _{DC}	25	mΩ
Self resonant frequency		f _{res}	90	MHz min.
Q-factor	1 MHz/ 5 mA	Q	25	
Type of application			Low Profile	

E General information:

It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.

- Ambient temperature: -40°C to +85°C/105°C (refering to I_R)
- Operating temperature: -40°C to +125°C
- Storage temperature (on tape & reel): -20°C to +40°C; 75% RH max.
- Test conditions of Electrical Properties: 20°C, 33% RH if not specified differently

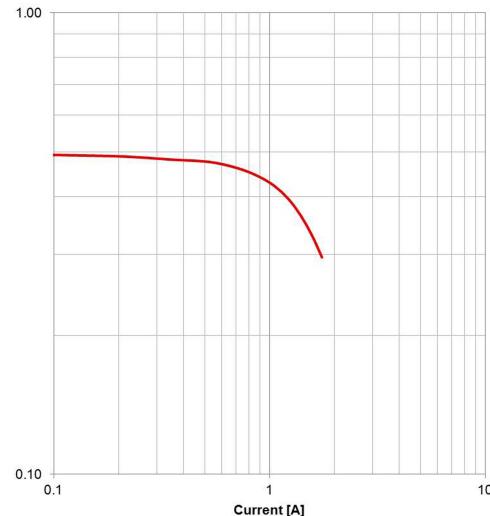
				Projection		DESCRIPTION
						WE-PMI Power Multilayer Inductor
						Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eSos@we-online.com
1.0	2014-11-10	SSI	Maka			Order.- No.
REV	DATE	BY	CHECKED			74479897150
						SIZE A4 Size: 1210

This electronic component has been designed and developed for usage in general electronic equipment only. This product is not authorized for use in equipment where a higher safety standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover Würth Elektronik eiSos GmbH & Co KG products are neither designed nor intended for use in areas such as military, aerospace, aviation, nuclear control, submarine, transportation (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc.. Würth Elektronik eiSos GmbH & Co KG must be informed about the intent of such usage before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

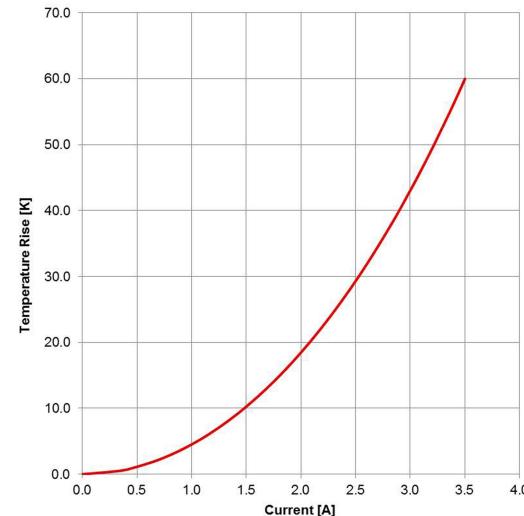




F1 Typical Inductance vs. Current Characteristics:



F2 Typical Temperature Rise vs. Current Characteristics:

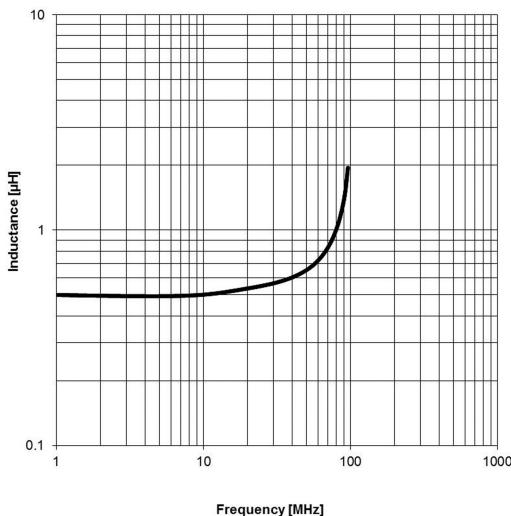


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				Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com	WE-PMI Power Multilayer Inductor	
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F3 Typical Inductance vs. Frequency Characteristics:



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