Excellent Integrated System Limited

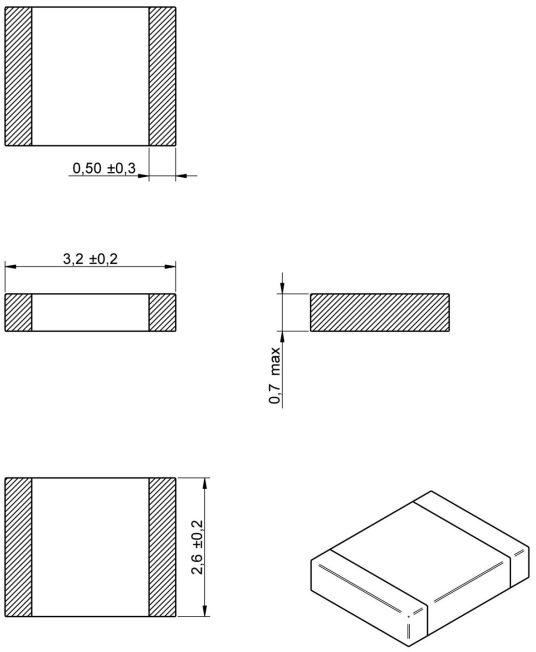
Stocking Distributor

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

Wurth Electronics Inc
74479897150

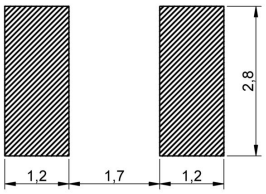
For any questions, you can email us directly:
sales@integrated-circuit.com

A Dimensions: [mm]



Scale - 10:1

B Recommended land pattern: [mm]



Scale - 10:1

C Schematic:

D Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	1 MHz/ 5 mA	L	0.5	µH	±20%
Rated current	ΔT = 20 K	I_R	2000	mA	typ.
Rated current	ΔT = 40 K	I_R	2900	mA	typ.
Saturation current	I∆L/LI = 30%	I_{sat}	1100	mA	typ.
DC Resistance	@ 20°C	R_{DC}	25	mΩ	±25%
Self resonant frequency		f_{res}	90	MHz	min.
Q-factor	1 MHz/ 5 mA	Q	25		min.
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

REV	DATE	BY	CHECKED
1.0	2014-11-10	SSt	MaKa

Projection

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

DESCRIPTION

WE-PMI Power Multilayer Inductor

Order.- No.

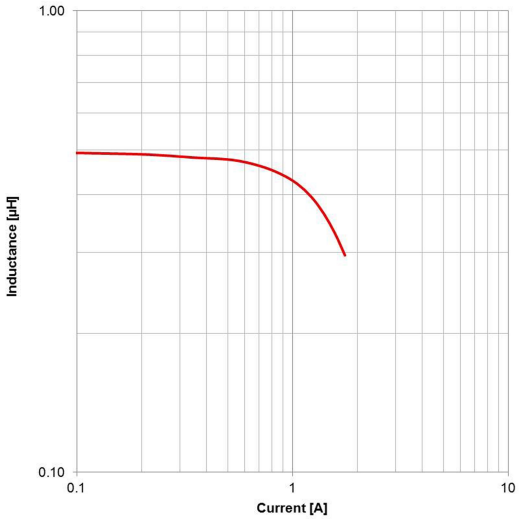
74479897150

COMPLIANT RoHS&REACh WÜRTH ELEKTRONIK

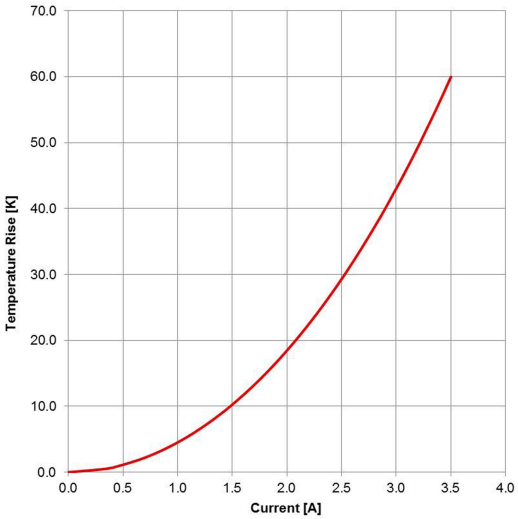
SIZE: A4

Size: 1210

F1 Typical Inductance vs. Current Characteristics:

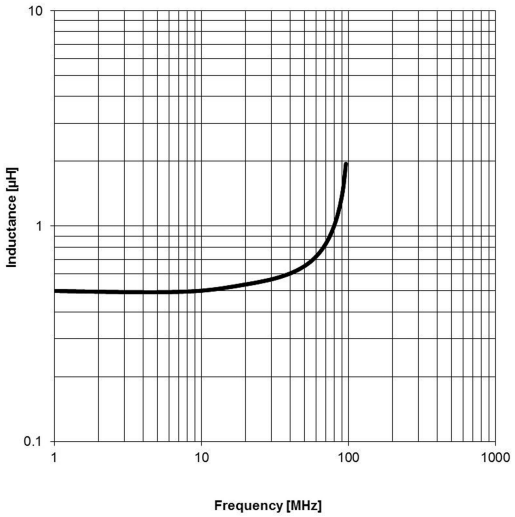


F2 Typical Temperature Rise vs. Current Characteristics:



				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 eiSos@we-online.com	Order.- No. **74479897150** COMPLIANT RoHS&REACh WÜRTH ELEKTRONIK — SIZE A4
1.0	2014-11-10	SSt	MaKa		Size: 1210
REV	DATE	BY	CHECKED		

F3 Typical Inductance vs. Frequency Characteristics:



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