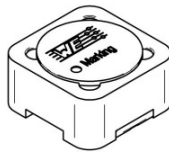
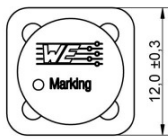
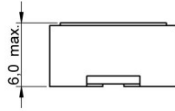
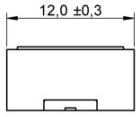
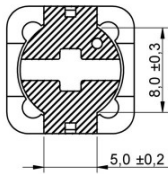


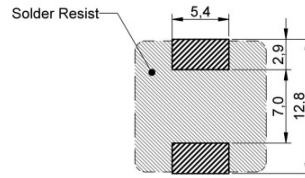
A Dimensions: [mm]

Scale - 2:1

Component Marking:

Reference on drawing	Description
•	Start of winding
Marking	150 (Inductance Code)

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 eSos 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 eSos 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.

B Recommended land pattern: [mm]

Scale - 2:1

C Schematic:**D Electrical Properties:**

Properties	Test conditions		Value	Unit	Tol.
Inductance	1 kHz/ 250 mV	L	15	μH	±20%
Rated current	ΔT = 40 K	I _R	3.75	A	max.
Saturation current	I _{ΔL/L} < 10%	I _{sat}	4.55	A	typ.
DC Resistance	@ 20°C	R _{DC}	0.025	Ω	typ.
DC Resistance	@ 20°C	R _{DC}	0.030	Ω	max.
Self resonant frequency		f _{res}	16.6	MHz	typ.

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 (referring 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

DESCRIPTION

WE-PD SMD Shielded Power Inductor

Order.- No.

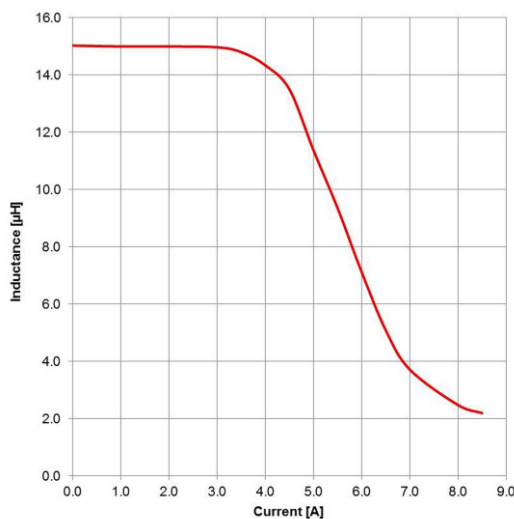
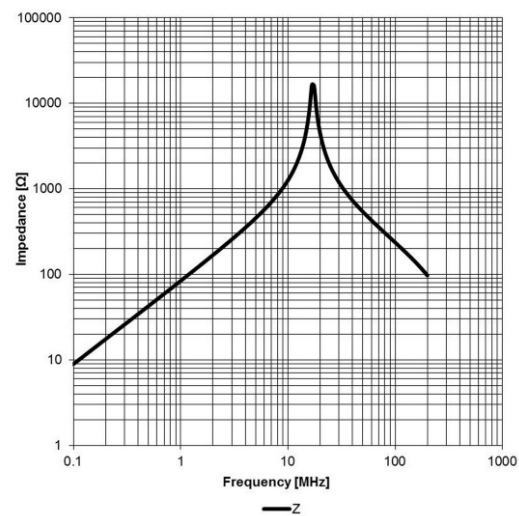
744771115

Size: 1260



SIZE

A4

F1 Typical Inductance vs. Current Characteristics:**F2 Typical Impedance Characteristics:**

				Projection		DESCRIPTION
6.6	2015-05-18	SSI	ALa			WE-PD SMD Shielded Power Inductor
6.5	2014-09-16	SSI	ALa			
6.4	2014-06-16	SSI	SSI			
6.3	2014-01-09	SSI	SSI			
6.2	2013-04-25	SSI	SSI			
6.1	2013-02-13	SSI	ALa			
6.0	2005-06-22	SSI	-			
REV	DATE	BY	CHECKED			
				Würth Elektronik eSos 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		Order.- No. 744771115 Size: 1260
						SIZE A4

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 eSos 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 eSos 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.