

Excellent Integrated System Limited

Stocking Distributor

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

Wurth Electronics Inc 74404063015

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



A Dimensions: [mm]		B Rec	ommende	d land	pattern:	[mm]				Ē		
2,9 ±0,3 1,55 ±0,3						5.7	Prope Induct Rated c Saturation	ance 100 kHz/ 1 V urrent ∆T = 40 K a current I∆L/LI < 30%	L IR Isat	Value 1.5 4.58 6.60	Unit µH A A	Tol. ±30% max. typ.
6,0 ±0,3	2.8 max	C Sch	ematic:	<u> </u>	,8 _ 1,8	Scale - 5:1	DC Resi Self resonan		R _{DC}	13 98	mΩ MHz	±30% typ.
Marking	Scale - 3:1			γ	$\gamma\gamma$	<u> </u>	It is recommunder worst • Ambient te • Operating • Storage te • Test condi	information: ended that the temperature case operating conditions. mperature: -40°C to +85° temperature: -40°C to +12 mperature (on tape & reel): ions of Electrical Propertie fied differently	C (refering 25°C -20°C to	g to I _R) +60°C; 75		
Reference on drawing	Description Start of winding					Projection		WE-LQS SMD Po	wer In	ductor		
Marking	1R5 (Inductance Code)	1.3 1.2 1.1 1.0 REV	2015-05-18 2014-09-08 2014-06-12 2014-02-03 DATE	SSt SSt SSt SSt BY	JRS JRS SSt JRS CHECKED	Wurth Elektronik elsos embi EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com elSos@we-online.com	πα τΟ. Κα	Order No. 74404063015 Size: 6028	Ø	RoHS	PLIANT REACH EKTRONIK	SIZE A4

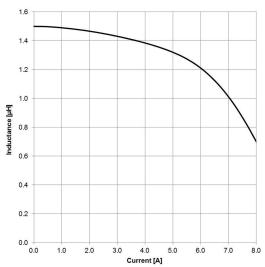
BY CHECKED Size: 6028 This electronic component has been designed and developed for usage in general electronic equipment only. This product is not authorized for use in equipment where a higher safety standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover Wild: Exectionic editors informed A cause is methad and the internet of such usage in transportation (submotive control, transportation signal, disaster prevention, medical, public information network etc... With Exectional encourses are not submatine, transportation (submotive control, transportation signal, disaster prevention, medical, public information network etc... With Exectional encourses are not executed and the internet of such usage before the design etc... With Exectional encourses are not executed and the internet of such usage before the design etc... With Executed is a submatine, transportation executed and reliability internet on exec

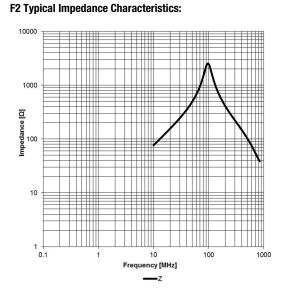
REV





F1 Typical Inductance vs. Current Characteristics:



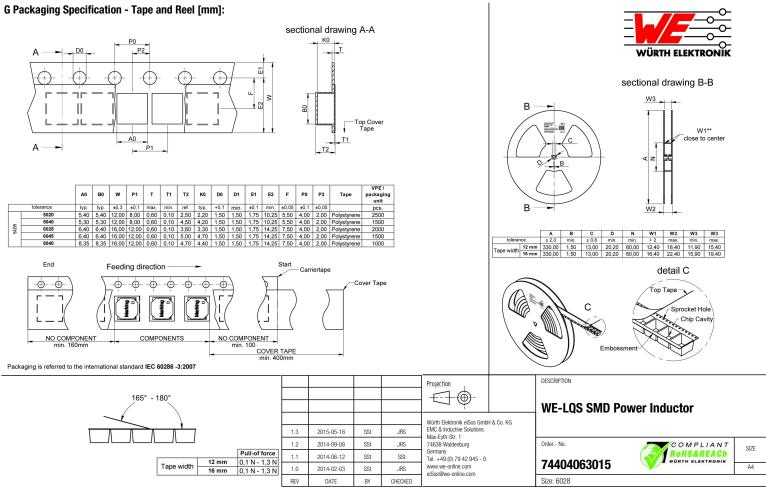


					DESCRIPTION WE-LQS SMD Power Inductor					
				Würth Elektronik eiSos GmbH & Co. KG						
1.3	2015-05-18	SSt	JRS	EMC & Inductive Solutions Max-Evth-Str. 1						
1.2	2014-09-08	SSt	JRS	74638 Waldenburg	Order No.					
1.1	2014-06-12	SSt	SSt	Germany Tel. +49 (0) 79 42 945 - 0	RoHS&REACh					
1.0	2014-02-03	SSt	JRS	www.we-online.com eiSos@we-online.com	74404063015					
REV	DATE	BY	CHECKED		Size: 6028					

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 Will: Electronic eds. Brink & D. KS products is not authorized for use in 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 Will: Electronic eds. Brink & D. KS product severe is advected accurate severe personal injury or death, unless the parties have executed an agreement specifically governing such use. He design + dasju - tadition, stifficient testion of the severe is severe intervention, medical, public information network etc. . With Electronic equipment which is used in electrical circuits that require this half will be or thorized or performance.



more than you expect



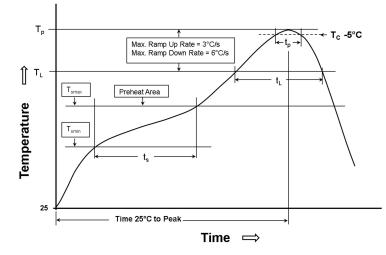
This electronic component has been designed and developed for usage in general electronic equipment only. This product is not authorized for use in equipment where a higher safety standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover With Electronic Res (Sinch & C. X. K. Fruit and C. K. Fruit and C. K. S. S. Fruit and C.



H Soldering Specifications:



H1: Classification Reflow Profile for SMT components:



H2: Classification Reflow Profiles

150°C 200°C 60-120 seconds 3°C/ second max.
01700
217°C 60-150 seconds
See Table H3
20-30 seconds
6°C/ second max.
8 minutes max.

refer to IPC/JEDEC J-STD-020D

H3: Package Classification Reflow Temperature

	Package Thickness	Volume mm ³ <350	Volume mm ³ 350 - 2000	Volume mm ³ >2000
PB-Free Assembly	< 1.6 mm	260°C	260°C	260°C
PB-Free Assembly	1.6 - 2.5 mm	260°C	250°C	245°C
PB-Free Assembly	≥ 2.5 mm	250°C	245°C	245°C

refer to IPC/JEDEC J-STD-020D

				Projection		DESCRIPTION					
						WE-LQS SMD Power Induc	wer Inductor				
				Wurth Elektronik elSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-St. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com elSos@we-online.com							
1.3	2015-05-18	SSt	JRS								
1.2	2014-09-08	SSt	JRS			Order No.	COMPLIANT	SIZE			
1.1	2014-06-12	SSt	SSt			7440400045	ROHS&REACH	OLL			
1.0	2014-02-03	SSt	JRS			74404063015		A4			
REV	DATE	BY	CHECKED			Size: 6028					

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I Cautions and Warnings:

The following conditions apply to all goods within the product series of WE-LQS of Würth Elektronik eiSos GmbH & Co. KG:

General:

All recommendations according to the general technical specifications of the data sheet have to be complied with.

The usage and operation of the product within ambient conditions, which probably alloy or harm the wire isolation, has to be avoided.

If the product is potted in customer applications, the potting material might shrink during and after hardening. The product is exposed to the pressure of the potting material with the effect that the core, wire and termination is possibly damaged by this pressure and so the electrical as well as the mechanical characteristics are endangered to be affected. After the potting material is cured, the core, wire and termination of the product have to be checked if any reduced electrical or mechanical functions or destructions have occurred.

The responsibility for the applicability of customer specific products and use in a particular customer design is always within the authority of the customer. All technical specifications for standard products do also apply to customer specific products.

Cleaning agents that are used to clean the customer application might damage or change the characteristics of the component, body, pins or termination.

Direct mechanical impact to the product shall be prevented as the core material could flake or in worst case it could break.

Product specific:

Follow all instructions mentioned in the data sheet, especially:

 The soldering profile has to be complied with according to the technical reflow soldering specification, otherwise this will void the warranty.

 All products shall be used before the end of the period of 12 months based on the product date code, if not a 100% solderability can't be ensured.

•Violation of the technical product specifications such as exceeding the nominal rated current will void the warranty.

The general and product specific cautions comply with the state of the scientific and technical knowledge and are believed to be accurate and reliable; however, no responsibility is assumed for inaccuracies or incompleteness.

				Projection		DESCRIPTION WE-LQS SMD POV	wer Inductor			
1.3	2015-05-18	SSt	JRS	Würth Elektronik elSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Sir. 1 74638 Waldenburg Germany TeI. +49 (0) (79 42 945 - 0 www.we-online.com elSos@we-online.com						
1.2	2014-09-08	SSt	JRS			Order No.	COMPLIANT	SIZE		
1.1	2014-06-12	SSt	SSt				ROHS&REACH			
1.0	2014-02-03	SSt	JRS			74404063015		A4		
REV	DATE	BY	CHECKED			Size: 6028				

This electronic component has been designed and developed for usage in general electronic explorment ruly. 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 Will Electronic eds GmH & Co. KG products are notified edsigned and the internet of use in required and the internet of such usage before the design ends. In dedicing is table, in addition, stifficient the internet of such usage in the internet of such usage before the design ends. In dedicing is table, and the internet of such usage internet of such usage before the design ends. In dedicing is table, and the internet of such usage in the internet of such usage before the design ends. In dedicing is table, and the internet of such usage internet of such usage internet of such usage internet of such usage before the design ends. In the definition of the internet of such usage internet of



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J Important Notes:

The following conditions apply to all goods within the product range of Würth Elektronik eiSos GmbH & Co. KG:

1. General Customer Responsibility

Some goods within the product range of Würth Elektronik eiSos GmbH & Co. KG contain statements regarding general suitability for certain application areas. These statements about suitability are based on our knowledge and experience of typical requirements concerning the areas, serve as general guidance and cannot be estimated as binding statements about the suitability for a customer application. The responsibi-lity for the applicability and use in a particular customer design is always solely within the authority of the customer. Due to this fact it is up to the customer to evaluate, where appropriate to investigate and decide whether the device with the specific product characteristics described in the product specification is valid and suitable for the respective customer application or not.

2. Customer Responsibility related to Specific, in particular Safety-Relevant Applications It has to be clearly pointed out that the possibility of a malfunction of electronic components or failure before the end of the usual lifetime cannot be completely eliminated in the current state of the art, even if the products are operated within the range of the specifications

In certain customer applications requiring a very high level of safety and especially in customer applications in which the malfunction or failure of an electronic component could endanger thrman life or health it must be ensured by most advanced technological aid of suitable design of the customer application that no injury or damage is caused to third parties in the event of malfunction or failure of an electronic component.

Therefore, customer is cautioned to verify that data sheets are current before placing orders. The current data sheets can be downloaded at www.we-online.com.

3. Best Care and Attention

Any product-specific notes, cautions and warnings must be strictly observed. Any disregard will result in the loss of warranty.

4. Customer Support for Product Specifications

Some products within the product range may contain substances which are subject to restrictions in certain jurisdictions in order to serve specific technical requirements. Necessary information is available on request. In this case the field sales engineer or the internal sales person in charge should be contacted who will be happy to support in this matter

5. Product R&D

Due to constant product improvement product specifications may change from time to time. As a standard reporting procedure of the Product Change Notification (PCN) according to the JEDEC-Standard inform about minor and major changes. In case of further queries regarding the PCN, the field sales engineer or the internal sales person in charge should be contacted. The basic responsibility of the customer as per Section 1 and 2 remains unaffected

6. Product Life Cycle

Due to technical progress and economical evaluation we also reserve the right to discontinue production and delivery of products. As a stan-dard reporting procedure of the Product Termination Notification (PTN) according to the JEDEC-Standard we will inform at an early stage about inevitable product discontinuance. According to this we cannot guarantee that all products within our product range will always be available. Therefore it needs to be verified with the field sales engineer or the internal sales person in charge about the current product availability expectancy before or when the product for application design-in disposal is considered.

The approach named above does not apply in the case of individual agreements deviating from the foregoing for customer-specific products.

7. Property Rights All the rights for contractual products produced by Würth Elektronik eiSos GmbH & Co. KG on the basis of ideas, development contracts as well as models or templates that are subject to copyright, patent or commercial protection supplied to the customer will remain with Würth Elektronik eiSos GmbH & Co. KG.

Würth Elektronik eiSos GmbH & Co. KG does not warrant or represent that any license, either expressed or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right relating to any combination, application, or process in which Würth Elektronik eiSos GmbH & Co. KG components or services are used.

8. General Terms and Conditions

Unless otherwise agreed in individual contracts, all orders are subject to the current version of the "General Terms and Conditions of Würth Elektronik eiSos Group", last version available at www.we-online.com.

				Projection		DESCRIPTION	wer Inductor				
1.3	2015-05-18	SSt	JRS	Würth Elektronik elSas GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-St. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com elSas@we-online.com							
1.2	2014-09-08	SSt	JRS			Order No.	COMPLIANT ROHS&REACH	SIZE			
1.1	2014-06-12	SSt	SSt					UIZL			
1.0	2014-02-03	SSt	JRS			74404063015		A4			
REV	DATE	BY	CHECKED			Size: 6028					

Her 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, transportation (automotive control, train control, stan portation signal, disaster prevention, medical, public information network etc... Wurth Elektronik eSos GmbH & Co KG must be informed about the internit of such usage before in pills safety and reliability functions or performance. actronic 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 si er Wühn Bederonik elsce Gmith & Co KS products are neither designed nor intended for use in areas such as military, aerospace, avladion, nouelear control, submarine, tra-gin-st aspe, in addition, sufficient reliable, venautato checke for stady must be performed no every electronic component which is used in electrical circuits that require

