



## Material Content Data Sheet

<b>Umbrella Spec</b>	Easy1 B-Series with SiC						
<b>Date</b>	2018-08-17			<b>RoHS compliant</b>	Yes		
<b>Revision</b>	2.0						
<b>Construction element</b>	<b>Material group</b>	<b>Materials</b>	<b>CAS-Nr. if applicable</b>	<b>Average mass [%]*</b>	<b>Sum [%]</b>	<b>Traces</b>	<b>Comment</b>
chip	inorganic material	silicon carbide	409-21-2	0,6	1		
	inorganic material	silicon	7440-21-3	0,4			
substrate including metallisation	non noble metal	copper	7440-50-8	21,9	32,9		
	inorganic material	aluminium oxid	1344-28-1	9			
	non noble metal	tin	7440-31-5	1			
	noble metal	silver	7440-22-4	1			
	non noble metal	magnesium	7439-95-4				X
	non noble metal	cobalt	7440-48-4				X
	non noble metal	aluminium	7429-90-5				X
wire encapsulation	polymers	silicone gel		16	16		
housing	polymers	PBT		22,9	40		
	inorganic material	antimonytrioxide	1309-64-4	2,4			
	plastics	brominated resin		1,6			
	plastics	chlorinated resin		1,1			
	inorganic material	silicondioxide / glasfiber		12			
clamp	ferrous metal	X12CrNi17-7(1.4310)		5	9,9		
lead, finish and plating	non noble metal	tin	7440-31-5			X	
	non noble metal	copper	7440-50-8	4,9			
	non noble metal	zinc	7440-66-6				X
	non noble metal	nickel	7440-02-0				X
SMD (including thermistors, resistors and shunts)	inorganic material	lead oxide	1317-36-8	0,2	0,2		RoHS compliant; according to exception 7c.1
	non noble metal	copper	7440-50-8			X	
	non noble metal	tin	7440-31-5			X	
	noble metal	silver	7440-22-4			X	
deviation	<25%			Sum in total		100	

Weight range of product family **	<b>22,0 g</b>
Fluctuation margin	<25%

\*) related to component weight

\*\*) Weight of particular product, see technical product information

### Important Remarks:

- 1) This document provides full declaration of all materials present in Infineon products above a threshold of 0,1 % b.w. (1000 ppm).
- 2) Trace concentrations (i.e. < 0,1 % b.w) present in products are marked with an "X" as far as they represent substances-of-concern.  
A list of substances-of-concern can be found at <http://www.infineon.com/soc>.
- 3) All statements are based on our present knowledge and are subject to change at any time due to technical requirements and development.
- 4) Infineon products are not classified as "hazardous substances" according to the definition in the EU Directive 67/548/EC and do therefore not require Material Safety Data Sheets.

Company	Infineon Technologies
Address	81726 München
Internet	<a href="http://www.infineon.com">www.infineon.com</a>