



Material Content Data Sheet

Umbrella Spec		Easy1 B-Series with SiC - TIM					
Date		2019-09-02			RoHS compliant		
Revision		1.0			Yes		
Construction element	Material group	Materials	CAS-Nr. if applicable	Average mass [%]*	Sum [%]	Traces	Comment
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	
wire	non noble metal	aluminium	7429-90-5			X	
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.)
	non noble metal	copper	7440-50-8			X	
	non noble metal	tin	7440-31-5			X	
	noble metal	silver	7440-22-4			X	
TIM	non noble metal	aluminium	7429-90-5			X	
	non noble metal	zinc oxid	1314-13-2			X	
	inorganic material	silicon	7440-21-3			X	
	polymers	hydrocarbon co-oligomer				X	
	polymers	hydrocarbon waxes				X	
	non noble metal	titanium	61417-49-0			X	
deviation	<25%	Sum in total			100		

Weight range of product family **	22,0 g
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.

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