



Material Content Data Sheet

Umbrella Spec		Easy2 B-Series with only SiC + TIM					
Date		2023-01-04				RoHS compliant	Yes
Revision		1.0					
Construction element	Material group	Materials	CAS-Nr. if applicable	Average mass [%]*	Sum [%]	Traces	Comment
chip	inorganic material	silicon carbide	409-21-2	1,0	1,0		
substrate including metallisation	non noble metal	copper	7440-50-8	20,2	28,5		
	inorganic material	aluminium oxid	1344-28-1	6,6			
	non noble metal	tin	7440-31-5	0,9			
	noble metal	silver	7440-22-4	0,9			
	non noble metal	magnesium	7439-95-4			X	
	non noble metal	cobalt	7440-48-4			X	
wire	non noble metal	aluminium	7429-90-5	1,0	1,0		
encapsulation	polymers	silicone gel		14,3	14,3		
housing	polymers	PBT		27,4	48,7		
	inorganic material	antimonytrioxide	1309-64-4	2,9			
	plastics	brominated resin		2,0			
	plastics	chlorinated resin		1,4			
	inorganic material	silicondioxide / glasfiber		15,0			
clamp	ferrous metal	X12CrNi17-7(1.4310)		2,7	5,8		
lead, finish and plating	non noble metal	tin	7440-31-5			X	
	non noble metal	copper	7440-50-8	3,1			
	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	1,0	1,0		RoHS compliant; according to exception 7c.I
	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	0,3	0,6		
	non noble metal	zinc oxid	1314-13-2	0,1			
	inorganic material	silicon	7440-21-3	0,1			
	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	41,0 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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