



Material Content Data Sheet

Umbrella Spec	Easy2B with AlN substrate						
Date	2021-06-18			RoHS compliant		Yes	
Revision	1.0						
Construction element	Material group	Materials	CAS-Nr. if applicable	Average mass [%]*	Sum [%]	Traces	Comment
chip	inorganic material	silicon	7440-21-3	0,9	0,9		
substrate including metallisation	non noble metal	copper	7440-50-8	19,2	32,5		
	inorganic material	aluminium nitride	24304-00-5	11,5			
	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	0,9	0,9		
encapsulation	polymers	silicone gel		13,6	13,6		
housing	polymers	PBT		26,1	46,4		
	inorganic material	antimonytrioxide	1309-64-4	2,7			
	plastics	brominated resin		1,9			
	plastics	chlorinated resin		1,3			
	inorganic material	silicondioxide / glasfiber		14,3			
clamp	ferrous metal	X12CrNi17-7(1.4310)		2,6		5,5	
lead, finish and plating	non noble metal	tin	7440-31-5		X		
	non noble metal	copper	7440-50-8	2,9			
	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	0,1	0,1		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	
deviation	<25%	Sum in total			100		

Weight range of product family **	43,0 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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