



Material Content Data Sheet

Umbrella Spec	Easy1B 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	1,0	1,0		
substrate including metallisation	non noble metal	copper	7440-50-8	20,9	35,9		
	inorganic material	aluminium nitride	24304-00-5	13,0			
	non noble metal	tin	7440-31-5	1,0			
	noble metal	silver	7440-22-4	1,0			
	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		15,3	15,3		
housing	polymers	PBT		21,9	38,2		
	inorganic material	antimonytrioxide	1309-64-4	2,3			
	plastics	brominated resin		1,5			
	plastics	chlorinated resin		1,1			
	inorganic material	silicondioxide / glasfiber		11,5			
clamp	ferrous metal	X12CrNi17-7(1.4310)		4,8	9,5		
lead, finish and plating	non noble metal	tin	7440-31-5			X	
	non noble metal	copper	7440-50-8	4,7			
	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.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 **	23,0 g
Fluctuation margin	<25%

*) related to component weight

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

Important Remarks:
<p>1) This document provides full declaration of all materials present in Infineon products above a threshold of 0,1 % b.w. (1000 ppm).</p> <p>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.</p> <p>3) All statements are based on our present knowledge and are subject to change at any time due to technical requirements and development.</p> <p>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.</p>

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