



Material Content Data Sheet

Umbrella Spec	EconoDUAL™ 3 (2 substrates) and ribbon bonds						
Date	2021-10-25			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	0,7	0,7		
Base plate and substrate including metallisation	non noble metal	copper	7440-50-8	57,7	62,2		
	inorganic material	aluminium oxid	1344-28-1	1,8			
	non noble metal	tin	7440-31-5	2,4			
	non noble metal	nickel	7440-02-0	0,1			
	noble metal	silver	7440-22-4	0,1			
wire Al	non noble metal	aluminium	7429-90-5	0,1	0,9		
ribbon Alu	non noble metal	aluminium	7429-90-5	0,8			
wire Cu	non noble metal	copper	7440-50-8	0,5	0,5		
encapsulation	polymers	silicone gel		9,6	9,6		
housing	polymers	PBT		8,5	14,8		
	inorganic material	antimonytrioxide	1309-64-4	0,9			
	plastics	brominated resin		0,6			
	plastics	chlorinated resin		0,4			
	inorganic material	silicondioxide / glasfiber		4,5			
lead, finish and plating	non noble metal	copper	7440-50-8	7,5	11,1		
	ferrous metal	steel		3,1			
	non noble metal	zinc	7440-66-6	0,5			
	non noble metal	tin	7440-31-5			X	
	noble metal	silver	7440-22-4			X	
	non noble metal	nickel	7440-02-0			X	
	non noble metal	aluminium	7429-90-5			X	
smd (including thermistors, resistors and shunts)	inorganic material	lead oxide	1317-36-8	0,01	0,01		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	364 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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