



Material Content Data Sheet

Umbrella Spec	34 mm							
Date	2016-04-18				RoHS compliant		Yes	
Revision	4.0							
Construction element	Material group	Materials	CAS-Nr. if applicable	Average mass [%]*	Sum [%]	Traces	Comment	
chip	inorganic material	silicon	7440-21-3	1,06	1,06			
Base plate and substrate including metallisation	non noble metal	copper	7440-50-8	50,89	56,36			
	inorganic material	aluminium oxid	1344-28-1	3,83				
	non noble metal	tin	7440-31-5	1,52				
	noble metal	silver	7440-22-4	0,002		X		
	inorganic material	phosphorus	7723-14-0			X		
	non noble metal	nickel	7440-02-0			X		
	non noble metal	indium	7440-74-6			X		
	inorganic material	sulphur	7440-34-9	0,000002		X		
wire	non noble metal	aluminium	7429-90-5	0,11	0,11			
encapsulation	polymers	silicone gel		7,23	7,23			
housing	polymers	PBT		8,44	24,12			
	inorganic material	antimonytrioxide	1309-64-4	2,41				
	plastics	Halogenated Compound ISO 1043-4		4,82			not declarable	
	inorganic material	silicondioxide / glasfiber		7,24				
	additive	miscellaneous additive		1,21				
lead, finish and plating	non noble metal	copper	7440-50-8	9,02	9,12			
	noble metal	silver	7440-22-4	0,10				
	inorganic material	phosphorus	7723-14-0			X		
	non noble metal	lead	7439-92-1	0,0006		X	RoHS compliant; according to exception 6c	
	non noble metal	tin	7440-31-5			X		
	inorganic material	sulphur	7704-34-9	0,00002		X		
	non noble metal	antimony	7440-36-0	0,0003		X		
	non noble metal	bismuth	7440-69-9	0,00004		X		
	ferrous metal	iron	7439-89-6			X		
	non noble metal	nickel	7440-02-0			X		
auxiliary parts	non noble metal	zinc	7440-66-6			X		
	ferrous metal	iron	7439-89-6	1,91	1,99			
	inorganic material	carbon	7440-44-0			X		
	inorganic material	phosphorus	7723-14-0			X		
	inorganic material	sulphur	7704-34-9	0,000495		X		
	inorganic material	silicon	7440-21-3			X		
	non noble metal	manganese	7439-96-5			X		
	non noble metal	chromium	7440-47-3			X		
	non noble metal	molybdenum	7439-98-7	0,0079		X		
	non noble metal	nickel	7440-02-0	0,01		X		
	non noble metal	vanadium	7440-62-2			X		
	non noble metal	aluminium	7429-90-5			X		
	non noble metal	copper	7440-50-8	0,004		X		
	non noble metal	tin	7440-31-5	0,0004		X		
	inorganic material	boron	7440-42-8			X		
	non noble metal	titanium	7440-32-6			X		
	inorganic material	nitrogen	7727-37-9	0,00001		X		
deviation	<25%				Sum in total	100,00		

Weight range of product	160
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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