

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	
	non noble metal	zinc	7440-66-6			X	
auxiliary parts	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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