



Material Content Data Sheet

Umbrella Spec		IH6-IHM 130 AI PI LK						
Date		2017-03-01		RoHS compliant		no		
Revision		7.0						
Construction element	Material group	Materials	CAS-Nr. if applicable	Average mass [%]*	Sum [%]	Traces	Comment	
chip	inorganic material	silicon	7440-21-3	0,5	0,5			
Base plate and substrate including metallisation	non noble metal	aluminium	7429-90-5	7,3	35,9			
	inorganic material	silicon carbide	409-21-2	16,9				
	inorganic material	aluminium nitride		6,0				
	non noble metal	copper	7440-50-8	3,4				
	non noble metal	tin	7440-31-5	1,0				
	non noble metal	lead	7439-92-1	1,1				
	noble metal	silver	7440-22-4	0,2				
	non noble metal	nickel	7440-02-0				X	
	non noble metal	zinc	7440-66-6				X	
		polymers	acrylic compounds					X
wire	non noble metal	aluminium	7429-90-5			X		
encapsulation	polymers	silicone gel		14,0	25,5			
	polymers	epoxid resin		11,5				
housing							classifications: DIN EN 45545: R24: HL3 R23: HL1 R22:-	
	polymers	Polyamid (PA)		13,7	23,1			
	inorganic material	antimonypentoxide	1309-64-4	0,9				
	plastics	brominated resin		0,4				
	plastics	chlorinated resin						X
inorganic material	silicondioxide / glasfiber		8,1					
lead, finish and plating	non noble metal	copper	7440-50-8	8,8	12,5			
	ferrous metal	steel	11121-90-7	3,7				
	non noble metal	zinc	7440-66-6				X	
	non noble metal	nickel	7440-02-0				X	
	polymers	polyamidomide					X	
printed circuit board (PCB) including metallisation and finish	polymers	epoxid resin (FR4)		1,7	2,5			
	non noble metal	copper	7440-50-8	0,7				
	non noble metal	tin	7440-31-5				X	
deviation	<25%			Sum in total	100,0			

Weight range of product family ** / gram	960
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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