



Material Content Data Sheet

Umbrella Spec		IH7-IHM 190 AI PI					
Date		2015-01-27				RoHS compliant	
Revision		6.0				n10	
Construction element	Material group	Materials	CAS-Nr. if applicable	Average mass [%]*	Sum [%]	Traces	Comment
chip	inorganic material	silicon	7440-21-3	0,6	0,6		
Base plate and substrate including metallisation	non noble metal	aluminium	7429-90-5	9,1	40,4		
	inorganic material	silicon carbide	409-21-2	20,8			
	inorganic material	aluminium nitride		5,6			
	non noble metal	copper	7440-50-8	3,1			
	non noble metal	tin	7440-31-5	0,3			
	non noble metal	lead	7439-92-1	1,4			
	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		14,3	23,5		
	polymers	epoxid resin		9,2			
housing							halogenated compounds or diantimony trioxide classifications: NF F16-101 fire & smoke: I3 / F2 CEN/TS 45545: R25: HL3 R24: HL3 R23: HL2
	polymers	Polyamid (PA)		9,6	13,9		
	inorganic material	phosphorus		0,2			
lead, finish and plating	inorganic material	silicondioxide / glasfiber		4,2			
	non noble metal	copper	7440-50-8	14,7	18,9		
	ferrous metal	steel	11121-90-7	4,2			
	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)		1,9	2,7		
	non noble metal	copper	7440-50-8	0,8			
deviation	non noble metal	tin	7440-31-5			X	
				Sum in total	100,0		

Weight range of product	1321
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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