



Material Content Data Sheet								
Umbrella Spec		IH7-IHM 190 AI PI						
Date		2015-01-27		RoHS compliant		no		
Revision		6.0						
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	polymers	Polyamid (PA)		9,6	13,9		halogenated compounds or diantimony trioxide classifications: NF F16-101 fire & smoke: I3 / F2 CEN/TS 45545: R25: HL3 R24: HL3 R23: HL2	
	inorganic material	phosphorus		0,2				
	inorganic material	silicondioxide / glasfiber		4,2				
lead, finish and plating	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				
	non noble metal	tin	7440-31-5				X	
deviation	<25%			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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