



Typical Appearance

## Material Content Data Sheet

<b>Umbrella Spec</b>	IH2-IHM 130 Cu LK							
<b>Date</b>	2012-09-14		<b>RoHS compliant</b>		no			
<b>Revision</b>	4.0							
<b>Construction element</b>	<b>Material group</b>	<b>Materials</b>	<b>CAS-Nr. if applicable</b>	<b>Average mass [%]*</b>	<b>Sum [%]</b>	<b>Traces</b>	<b>Comment</b>	
chip	inorganic material	silicon	7440-21-3	0,4	0,4			
Base plate and substrate including metallisation	non noble metal	copper	7440-50-8	51,9	58,2			
	inorganic material	aluminium oxid	1344-28-1	4,6				
	non noble metal	tin	7440-31-5	0,9				
	non noble metal	lead	7439-92-1	0,8				
	non noble metal	nickel	7440-02-0			X		
	noble metal	silver	7440-22-4			X		
wire	non noble metal	aluminium	7429-90-5			X		
encapsulation	polymers	silicone gel		8,9	16,5			
	polymers	epoxid resin		7,6				
housing	polymers	PBT		7,5	11,6		Containing brominated organic compounds as flame retardant; Containing no PBB or PBDE. Containing diantimony trioxide as flame retardant.	
	inorganic material	antimonytrioxide	1309-64-4	0,5				
	plastics	brominated resin		0,1				
	plastics	chlorinated resin				X		
	inorganic material	silicondioxide / glasfiber		3,5				
lead, finish and plating	non noble metal	copper	7440-50-8	9,5	12,0			
	ferrous metal	steel	11121-90-7	2,5				
	non noble metal	zinc	7440-66-6			X		
	non noble metal	nickel	7440-02-0			X		
printed circuit board (PCB) including metallisation and finish	polymers	epoxid resin (FR4)		0,9	1,2			
	non noble metal	copper	7440-50-8	0,4				
	non noble metal	tin	7440-31-5			X		
deviation	<25%			Sum in total	100,0			

Weight range of product	<b>1440</b>
Fluctuation margin	<25%

\*) related to component weight

\*\*) Weight of particular product, see technical product information

<b>Important Remarks:</b>
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 <a href="http://www.infineon.com/soc">http://www.infineon.com/soc</a> .
3) All statements are based on our present knowledge and are subject to change at any time due to technical requirements and development.

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