

Material Content Data Sheet

Umbrella Spec	IH1-IHM 130 Cu LK		
Date	2012-09-14	**RoHS compliant**	no
Revision	4.0		

Construction element	*Material group*	*Materials*	*CAS-Nr. if applicable*	*Average mass [%]**	*Sum [%]*	*Traces*	*Comment*
chip	inorganic material	silicon	7440-21-3	0,4	0,4		
Base plate and substrate including metallisation	non noble metal	copper	7440-50-8	52,3	58,7		
	inorganic material	aluminium oxid	1344-28-1	4,7			
	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	16,6		
	polymers	epoxid resin		7,7			
housing	polymers	PBT		7,2	11,1		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		3,3			
lead, finish and plating	non noble metal	copper	7440-50-8	9,1	11,7		
	ferrous metal	steel	11121-90-7	2,6			
	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)		1,0	1,5		
	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	**1440**
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.

Company	Infineon Technologies
Address	81726 München
Internet	www.infineon.com