

Material Content Data Sheet

Umbrella Spec	IH7B-IHM B 190 Al S2		
Date	2014-01-07	**RoHS compliant**	YES
Revision	6.0	**valid from: date code 2014-03-01**	

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	10,0	46,2		
	inorganic material	silicon carbide	409-21-2	22,8			
	inorganic material	aluminium nitride		5,4			
	non noble metal	copper	7440-50-8	4,1			
	non noble metal	tin	7440-31-5	2,8			
	non noble metal	lead	7439-92-1	0,7			RoHS compliant
	noble metal	silver	7440-22-4	0,4			
	non noble metal	nickel	7440-02-0			X	
	non noble metal	zinc	7440-66-6			X	
wire	non noble metal	aluminium	7429-90-5			X	
encapsulation	polymers	silicone gel		18,5	18,5		
housing	polymers	Polyamid (PA)		12,4	17,9		Containing no halogenated compounds or diantimony trioxide classifications: NF F16-101 fire & smoke: I3 / F2 CEN/TS 45545: R25: HL3 R24: HL3 R23: HL2
	inorganic material	phoshorus		0,2			
	inorganic material	silicondioxide / glasfiber		5,4			
lead, finish and plating	non noble metal	copper	7440-50-8	12,4	16,8		
	ferrous metal	steel	11121-90-7	4,4			
	non noble metal	zinc	7440-66-6			X	
	non noble metal	nickel	7440-02-0			X	
deviation	<25%			Sum in total	100,0		

Weight range of product	**1151 g**
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.

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