

Material Content Data Sheet

Umbrella Spec	Econo 3B		
Date	2011-11-29	**RoHS compliant**	Yes
Revision	3.0		

Construction element	*Material group*	*Materials*	*CAS-Nr. if applicable*	*Average mass [%]**	*Sum [%]*	*Traces*	*Comment*
chip	inorganic material	silicon	7440-21-3	0,3	0,3		
Base plate and substrate including metallisation	non noble metal	copper	7440-50-8	69,2	72,4		
	inorganic material	aluminium oxid	1344-28-1	1,9			
	non noble metal	tin	7440-31-5	1,0			
	noble metal	silver	7440-22-4	0,3			
	non noble metal	nickel	7440-02-0			X	
	non noble metal	magnesium	7439-95-4			X	
	non noble metal	cobalt	7440-48-4			X	
wire	non noble metal	aluminium	7429-90-5			X	
encapsulation	polymers	silicone gel		11,1	11,1		
housing	polymers	PBT		7,7	13,5		
	inorganic material	antimonytrioxide	1309-64-4	0,8			
	plastics	brominated resin		0,6			
	plastics	chlorinated resin		0,4			
	inorganic material	silicondioxide / glasfiber		4,0			
lead, finish and plating	non noble metal	copper	7440-50-8	2,6	2,6		
	non noble metal	tin	7440-31-5			X	
	noble metal	silver	7440-22-4			X	
	non noble metal	nickel	7440-02-0			X	
TIM	non noble metal	aluminium	7429-90-5	0,1	0,1		
	non noble metal	zinc oxid	1314-13-2			X	
	polymers	silicon	7440-21-3			X	
	polymers	hydrocarbon co-oligomer				X	
	polymers	hydrocarbon Waxes				X	
	non noble metal	titanium	61417-49-0			X	
smd (including thermistors, resistors and shunts)	inorganic material	lead oxide	1317-36-8	0,03	0,03		RoHS compliant
	non noble metal	copper	7440-50-8			X	
	non noble metal	tin	7440-31-5			X	
	noble metal	silver	7440-22-4			X	
deviation	<25%			Sum in total	100,00		

Weight range of product	**310 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.

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