



## Material Content Data Sheet

Umbrella Spec		Easy 2						
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	1	1			
substrate including metallisation	non noble metal	copper	7440-50-8	22,9	38,9			
	inorganic material	aluminium oxid	1344-28-1	14				
	non noble metal	tin	7440-31-5	1				
	noble metal	silver	7440-22-4	1				
	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 housing	polymers	silicone gel		16	16			
	polymers	PBT		22,9		40		
	inorganic material	antimonytrioxide	1309-64-4	2,4				
	plastics	brominated resin		1,6				
	plastics	chlorinated resin		1,1				
inorganic material	silicondioxide / glasfiber		12					
lead, finish and plating	non noble metal	tin	7440-31-5		4,1	X		
	non noble metal	copper	7440-50-8	4,1				
	non noble metal	zinc	7440-66-6				X	
SMD (including thermistors, resistors and shunts)	non noble metal	nickel	7440-02-0			X		
	inorganic material	lead oxide	1317-36-8	0,2			RoHS compliant	
	non noble metal	copper	7440-50-8			X		
	non noble metal	tin	7440-31-5			X		
deviation	noble metal	silver	7440-22-4			X		
	<25%			Sum in total	100			

Weight range of product family	<b>36,5 g</b>
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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