



Material Content Data Sheet

Umbrella Spec	EconoDUAL™ 3							
Date	2012-08-28				RoHS compliant		Yes	
Revision	4.0							
<i>Construction element</i>	<i>Material group</i>	<i>Materials</i>	<i>CAS-Nr. if applicable</i>	<i>Average mass [%]*</i>	<i>Sum [%]</i>	<i>Traces</i>	<i>Comment</i>	
chip	inorganic material	silicon	7440-21-3	0,3	0,3			
Base plate and substrate including metallisation	non noble metal	copper	7440-50-8	59,1	62,9			
	inorganic material	aluminium oxid	1344-28-1	1,2				
	non noble metal	tin	7440-31-5	2,4				
	noble metal	silver	7440-22-4	0,1				
	non noble metal	nickel	7440-02-0	0,1				
wire	non noble metal	aluminium	7429-90-5	1,4	1,4			
encapsulation	polymers	silicone gel		9,6	9,6			
housing	polymers	PBT		8,1	14,2			
	inorganic material	antimonytrioxide	1309-64-4	0,9				
	plastics	brominated resin		0,6				
	plastics	chlorinated resin		0,4				
	inorganic material	silicondioxide / glasfiber		4,2				
lead, finish and plating	non noble metal	copper	7440-50-8	7,5	11,6			
	ferrous metal	steel		2,7				
	non noble metal	zinc	7440-66-6	1,4				
	non noble metal	tin	7440-31-5				X	
	noble metal	silver	7440-22-4				X	
	non noble metal	nickel	7440-02-0				X	
smd (including thermistors, resistors and shunts)	non noble metal	aluminium	7429-90-5				X	
	inorganic material	lead oxide	1317-36-8	0,01	0,01			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	100,0			

Weight range of product	356
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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