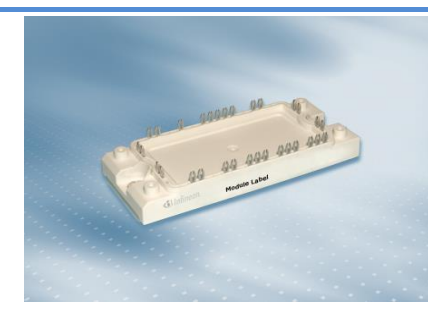


Material Content Data Sheet

Umbrella Spec	Econo 2B						
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	0,2	0,2		
Base plate and substrate including metallisation	non noble metal	copper	7440-50-8	65,5	68,6		
	inorganic material	aluminium oxid	1344-28-1	1,7			
	non noble metal	tin	7440-31-5	1,3			
	noble metal	silver	7440-22-4	0,1			
	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		8,5	8,5		
housing	polymers	PBT		10,9	19,2		
	inorganic material	antimonytrioxide	1309-64-4	1,2			
	plastics	brominated resin		0,8			
	plastics	chlorinated resin		0,5			
	inorganic material	silicondioxide / glasfiber		5,8			
lead, finish and plating	non noble metal	copper	7440-50-8	3,4	3,4		
	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	0,06	0,06		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	**180,5 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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