



Material Content Data Sheet

Umbrella Spec	PrimePACK™ 3 +IGBT5 .XT							
Date	2017-03-01				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	0,13	0,13			
Base plate and substrate including metallisation	non noble metal	copper	7440-50-8	43,9	47,4			
	inorganic material	aluminium oxide	1344-28-1	1,4				
	inorganic material	zirkonia oxide	1314-23-4					
	non noble metal	tin	7440-31-5	1,9				
	non noble metal	antimony	7440-36-0	0,2				
	non noble metal	nickel	7440-02-0					
	noble metal	silver	7440-22-4	0,1				
	inorganic material	phosphorus					X	
wire	non noble metal	copper	7440-50-8	0,2	0,2			
encapsulation	polymers	silicone gel		9,3	9,3			
housing	polymers	Polyamid (PA)		12,5	20,5		classifications: DIN EN 45545: R24: HL3 R23: HL1 R22:-	
	inorganic material	antimonypentoxide	1314-60-9	0,5				
	plastics	brominated resin		0,2				
	plastics	chlorinated resin					X	
lead, finish and plating	inorganic material	silicondioxide / glasfiber		7,2				
	non noble metal	copper	7440-50-8	15,9	22,6			
	ferrous metal	steel	11121-90-7	2,3				
	non noble metal	brass		2,6				
	non noble metal	brass MS60 (CuZn38Pb2)		1,2			RoHS compliant; according to exception 6 c	
	non noble metal	brass (CuNi)		0,5				
	non noble metal	zinc	7440-66-6				X	
	non noble metal	nickel	7440-02-0				X	
smd (including thermistors, resistors and shunts)	inorganic material	lead oxide	1317-36-8	0,003	0,003		RoHS compliant; according to exception 7c.1	
	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			

Weight range of product family ** / gram	1425
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.

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