



Material Content Data Sheet



Umbrella Spec	Easy 3B IGBT7			Revision		01	
Issued	16.03.2023			Weight*		82 g	
Construction element	Material group	CAS-Nr. if applicable	Materials	Average mass [%]*	Sum [%]	Traces	Comment
semiconductors	inorganic material	7440-21-3	silicon	0,3%	0,4%		
	non noble metal	7429-90-5	aluminum			X	
	non noble metal	7440-02-0	nickel			X	
substrate	non noble metal	7440-50-8	copper	24,2%	32,1%		
	inorganic material	1344-28-1	aluminum oxide	7,8%			
	inorganic material	-	other	0,1%			no duty of declaration
bond wire	non noble metal	7429-90-5	aluminum	0,5%	0,5%		
silicone compounds	polymers	-	silicone-rubber VMQ	13,9%	14,3%		
	inorganic material	-	other	0,3%			no duty of declaration
	inorganic material	112945-52-5	amorphous, pyrogenetic silica	0,1%			
housing	polymers	-	PBT	20,9%	46,4%		
	inorganic material	-	glass fiber	13,9%			
	inorganic material	1309-64-4	antimonious trioxide	4,6%			
	inorganic material	-	halogen compounds	4,6%			
	inorganic material	-	further additives	2,3%			no duty of declaration
pins and rivets	non noble metal	7440-50-8	copper	4,1%	4,3%		
	non noble metal	7440-31-5	tin	0,2%			
	non noble metal	7440-02-0	nickel			X	
	inorganic material	7723-14-0	phosphor			X	
SMD components	non noble metal	7439-89-6	iron		0,05%	X	
	non noble metal	7440-02-0	nickel			X	
	inorganic material	1317-36-8	lead monoxide	0,01%			RoHS compliant; according to exception 7c. I
	non noble metal	7440-50-8	copper			X	
	non noble metal	7440-31-5	tin			X	
tin solder	non noble metal	7440-31-5	tin	1,9%	2,0%		
	non noble metal	7440-36-0	antimony	0,1%			
*deviation	< 25%			Sum in total:	100,0%		

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>.
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