

Material Content Data Sheet

RoHS

Umbrella Spec	Easy 4B IGBT7	**Revision**	01
Issued	11.12.2024	**Weight***	117 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	7440-02-0	nickel			X	
substrate	non noble metal	7440-50-8	copper	26,6%	34,5%		
	inorganic material	1344-28-1	aluminum oxide	7,6%			
	inorganic material	14808-60-7	silica	0,2%			
bond wire	non noble metal	7429-90-5	aluminum	0,7%	0,7%		
silicone compounds	polymers	-	silicone-rubber VMQ	15,1%	15,5%		
	inorganic material	-	other	0,3%			no duty of declaration
	inorganic material	112945-52-5	amorphous, pyrogenetic silica	0,1%			
housing	polymers	-	PBT+ASA	19,4%	43,9%		
	inorganic material	-	glass fiber	13,2%			
	inorganic material	1309-64-4	antimonious trioxide	4,4%			
	inorganic material	-	ISO 1043-4 FR(17) aromatic brominated compounds (excluding brominated diphenyl ether and biphenyls) in combination with antimony compounds, not declarable	4,4%			
	inorganic material	-	further additives	2,2%			no duty of declaration
	polymers	9002-84-0	Ethene, tetrafluoro-, homopolymer	0,4%			
pins and rivets	non noble metal	7440-50-8	copper	3,9%	4,0%		
	non noble metal	7440-02-0	nickel			X	
	non noble metal	7440-31-5	tin			X	
	non noble metal	7440-47-3	chrome			X	
	noble metal	7440-22-4	silver			X	
	inorganic material	7723-14-0	phosphorus			X	
SMD components	non noble metal	7439-89-6	iron		0,03%	X	
	non noble metal	7440-02-0	nickel			X	
	inorganic material	1317-36-8	lead monoxide	0,01%		X	RoHS compliant; according to exception 7c. I
	inorganic material	14808-60-7	silica			X	
	non noble metal	7440-50-8	copper			X	
	non noble metal	7440-31-5	tin			X	
	inorganic material	1309-64-4	antimonious trioxide			X	
	inorganic material	1313-99-1	nickel monoxide			X	
	inorganic material	1308-06-1	tricobalt tetraoxide			X	
	noble metal	7440-57-5	gold			X	
tin solder	non noble metal	7440-31-5	tin	1,0%	1,1%		
	non noble metal	7440-36-0	antimony	0,1%		X	
*deviation	< 25%			Sum in total:	100%		

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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