

Material Content Data Sheet

RoHS

Umbrella Spec	XHP2 1,7kV XT + TIM	**Revision**	01
Issued	19.07.2023	**Weight***	1038 g

Construction element	*Material group*	*CAS-Nr. if applicable*	*Materials*	*Average mass**	*Sum*	*Traces*	*Comment*
semiconductors	inorganic material	7440-21-3	silicon	0,1%	0,1%		
	non noble metal	7429-90-5	aluminum			X	
	non noble metal	7440-02-0	nickel			X	
baseplate and substrate including metallisation	non noble metal	7440-50-8	copper	51,0%	54,5%		
	non noble metal	7440-31-5	tin	2,1%			
	inorganic material	1344-28-1	aluminum oxide	1,1%			
	non noble metal	7440-36-0	antimony	0,2%			
	non noble metal	7440-02-0	nickel			X	
	noble metal	7440-22-4	silver			X	
bond wire	non noble metal	7440-50-8	copper	0,5%	0,5%		
silicone compounds	polymers	-	silicone-rubber VMQ	7,5%	7,7%		
	inorganic material	-	other	0,2%			no duty of declaration
housing and screws	polymers	-	polyamid	9,4%	15,7%		
	inorganic material	-	glass fiber	4,6%			
	inorganic material	-	flame retardant	1,1%			no duty of declaration
	non noble metal	7439-89-6	iron	0,3%			
	inorganic material	-	further additives	0,1%			no duty of declaration
	organic material	1333-86-4	carbon black	0,1%			
	inorganic material	-	mineral powder	0,1%			
	non noble metal	7440-02-0	nickel			X	
	non noble metal	7440-47-3	chrome			X	
terminals	non noble metal	7440-50-8	copper	15,3%	21,4%		
	non noble metal	7439-89-6	iron	5,8%			
	non noble metal	7440-31-5	tin	0,1%			
	non noble metal	7440-66-6	zinc	0,1%			
	non noble metal	7440-02-0	nickel	0,1%		X	
SMD components	non noble metal	7439-89-6	iron		0,008%	X	
	non noble metal	7440-02-0	nickel			X	
	inorganic material	1317-36-8	lead monoxide	0,002%			RoHS compliant; according to exception 7c. I
	non noble metal	7440-50-8	copper			X	
	non noble metal	7440-31-5	tin			X	
TIM	non noble metal	7429-90-5	aluminum	0,1%	0,1%		
	inorganic material	7440-21-3	silicon			X	
	non noble metal	1314-13-2	zinc oxide			X	
	polymers	63231-60-7	paraffin waxes and Hydrocarbon waxes, microcryst.			X	
	polymers	9010-79-1	1-Propene, polymer with ethene			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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