

Material Content Data Sheet

RoHS

Sales Product Name	FF1400R23T2E7_B5			**Revision**		02	
Issued	12.12.2025			**Weight***		699 g	
Construction element	***Material group***	***CAS-Nr.*** *if applicable*	***Materials***	***Average mass****	***Sum***	***Traces***	***Comment***
semiconductors	inorganic material	7440-21-3	silicon	0,3%	0,3%		
	non noble metal	7429-90-5	aluminum			X	
	non noble metal	7440-02-0	nickel			X	
baseplate and substrate including metallisation	inorganic material	409-21-2	silicon-carbide	14,7%	37,2%		
	non noble metal	7429-90-5	aluminum	8,6%			
	non noble metal	7440-50-8	copper	5,5%			
	inorganic material	24304-00-5	aluminium nitride	4,4%			
	non noble metal	7440-31-5	tin	2,5%			
	non noble metal	7440-02-0	nickel	0,7%			
	noble metal	7440-22-4	silver	0,7%			
	non noble metal	7440-36-0	antimony	0,2%			
bond wire	non noble metal	7429-90-5	aluminum	0,6%	0,6%		
silicone compounds	polymers	-	silicone-rubber PVMQ	10,0%	10,3%		
	inorganic material	-	other	0,1%			no duty of declaration
	polymers	-	silicone-rubber VMQ	0,1%			
	non noble metal	7440-50-8	copper			X	
housing and screws	polymers	-	polyamid	13,6%	22,7%		
	inorganic material	-	glass fiber	6,6%			
	inorganic material	-	flame retardant	1,6%			no duty of declaration
	non noble metal	7439-89-6	iron	0,4%			
	inorganic material	-	further additives	0,2%			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	21,8%	28,9%		
	non noble metal	7439-89-6	iron	6,9%			
	non noble metal	7440-31-5	tin	0,1%			
	non noble metal	7440-02-0	nickel	0,1%			
	non noble metal	7440-66-6	zinc			X	
	inorganic material	7440-44-0	carbon			X	
	inorganic material	7723-14-0	phosphorus			X	
SMD components	non noble metal	7439-89-6	iron		0,011%	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	
*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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