

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW50R250CP	**Issued**	10. May 2021
MA#	MA001471676		
Package	PG-TO247-3-41	**Weight***	6049.12 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	7.183	0.12	0.12	1187	1187
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87462	87576
wire	non noble metal	aluminium	7429-90-5	5.359	0.09	0.09	886	886
encapsulation	organic material	carbon black	1333-86-4	19.998	0.33		3306	
	plastics	epoxy resin	-	379.958	6.28		62812	
	inorganic material	silicondioxide	60676-86-0	1,599.824	26.45	33.06	264472	330590
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.362	0.01		60	
	noble metal	silver	7440-22-4	0.906	0.02		150	
	non noble metal	tin	7440-31-5	2.356	0.04	0.07	389	599
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.81	56.89	568348	569088
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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