

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW65R420CFD	**Issued**	31. March 2021
MA#	MA001039710		
Package	PG-TO247-3-41	**Weight***	6046.72 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	4.901	0.08	0.08	810	810
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	87497	87611
wire	non noble metal	aluminium	7429-90-5	1.287	0.02	0.02	213	213
encapsulation	organic material	carbon black	1333-86-4	20.046	0.33		3315	
	plastics	epoxy resin	-	380.872	6.30		62988	
	inorganic material	silicondioxide	60676-86-0	1,603.670	26.52	33.15	265213	331516
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.277			46	
	noble metal	silver	7440-22-4	0.692	0.01		114	
	non noble metal	tin	7440-31-5	1.799	0.03	0.04	298	458
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	56.86	56.94	568574	569314
*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.
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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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