

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPW65R041CFD	**Issued**	02. June 2021
MA#	MA000920132		
Package	PG-TO247-3-41	**Weight***	6064.93 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	39.403	0.65	0.65	6497	6497
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.72	8.73	87234	87347
wire	non noble metal	aluminium	7429-90-5	14.085	0.23	0.23	2322	2322
encapsulation	organic material	carbon black	1333-86-4	19.646	0.32		3239	
	plastics	epoxy resin	-	373.273	6.15		61546	
	inorganic material	silicondioxide	60676-86-0	1,571.676	25.91	32.38	259142	323927
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5256	5256
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4792	4792
solder	non noble metal	antimony	7440-36-0	1.367	0.02		225	
	noble metal	silver	7440-22-4	3.417	0.06		563	
	non noble metal	tin	7440-31-5	8.885	0.15	0.23	1465	2253
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.69	56.77	566868	567606
*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.
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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com