



Material Content Data Sheet



Sales Product Name				IPW65R420CFD		Issued		26. September 2017	
MA#				MA001039710					
Package				PG-TO247-3-41		Weight*		6046.63 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	non noble metal	iron	7439-89-6	0.530	0.01		88		
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87498	87612	
wire	non noble metal	aluminium	7429-90-5	0.504	0.01	0.01	83	83	
encapsulation	organic material	carbon black	1333-86-4	20.053	0.33		3316		
	plastics	epoxy resin	-	381.003	6.30		63011		
	inorganic material	silicondioxide	60676-86-0	1604.224	26.53	33.16	265309	331636	
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	0.00		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	3438.006	56.86	56.94	568583	569323	
*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

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