



Material Content Data Sheet



Sales Product Name		IPD65R420CFD		Issued		19. January 2018		
MA#		MA001180286						
Package		PG-TO252-3-313		Weight*		319.94 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	1.53	1.53	15317	15317
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		460	
	inorganic material	phosphorus	7723-14-0	0.044	0.01		138	
	non noble metal	copper	7440-50-8	147.096	45.99	46.05	459756	460354
wire	non noble metal	aluminium	7429-90-5	0.535	0.17	0.17	1671	1671
encapsulation	organic material	carbon black	1333-86-4	1.389	0.43		4342	
	plastics	epoxy resin	-	24.313	7.60		75991	
	inorganic material	silicondioxide	60676-86-0	113.227	35.39	43.42	353899	434232
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11690	11690
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4440	4451
solder	noble metal	silver	7440-22-4	0.098	0.03		307	
	non noble metal	tin	7440-31-5	0.078	0.02		245	
	non noble metal	lead	7439-92-1	3.748	1.17	1.22	11715	12267
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		60	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	copper	7440-50-8	19.177	5.99	6.00	59940	60018
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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