



Material Content Data Sheet



Sales Product Name		IPW60R031CFD7		Issued		25. January 2018		
MA#		MA001656382						
Package		PG-TO247-3-41		Weight*		6054.84 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	19.747	0.33	0.33	3261	3261
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87380	87493
	non noble metal	aluminium	7429-90-5	16.324	0.27	0.27	2696	2696
wire	organic material	carbon black	1333-86-4	19.778	0.33		3267	
encapsulation	plastics	epoxy resin	-	375.785	6.21		62064	
	inorganic material	silicondioxide	60676-86-0	1582.253	26.13	32.67	261321	326652
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.778	0.01		128	
	noble metal	silver	7440-22-4	1.945	0.03		321	
	non noble metal	tin	7440-31-5	5.056	0.08	0.12	835	1284
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	56.77	56.85	567810	568550
*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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