



Material Content Data Sheet



Sales Product Name		IPW60R160C6		Issued		19. July 2018		
MA#		MA001075748						
Package		PG-TO247-3-44		Weight*		6048.92 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	9.083	0.15	0.15	1502	1502
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	87465	87579
wire	non noble metal	aluminium	7429-90-5	4.192	0.07	0.07	693	693
encapsulation	organic material	carbon black	1333-86-4	19.982	0.33		3303	
	plastics	epoxy resin	-	379.659	6.28		62765	
	inorganic material	silicondioxide	60676-86-0	1598.563	26.43	33.04	264273	330341
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.426	0.01		70	
	noble metal	silver	7440-22-4	1.065	0.02		176	
	non noble metal	tin	7440-31-5	2.770	0.05	0.08	458	704
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.81	56.89	568367	569107
*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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