



Material Content Data Sheet



Sales Product Name		IPW60R120C7		Issued		22. January 2018		
MA#		MA001394048						
Package		PG-TO247-3-41		Weight*		6052.30 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	5.464	0.09	0.09	903	903
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	8.74	8.75	87416	87530
wire	non noble metal	aluminium	7429-90-5	40.714	0.67	0.67	6727	6727
encapsulation	organic material	carbon black	1333-86-4	19.692	0.33		3254	
	plastics	epoxy resin	-	374.145	6.18		61818	
	inorganic material	silicondioxide	60676-86-0	1575.345	26.03	32.54	260288	325360
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5332	5332
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4862	4862
solder	non noble metal	antimony	7440-36-0	0.300	0.00		50	
	noble metal	silver	7440-22-4	0.750	0.01		124	
	non noble metal	tin	7440-31-5	1.950	0.03	0.04	322	496
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	568050	568790
*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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