



Material Content Data Sheet



Sales Product Name		IPW60R045CPA		Issued		1. August 2018		
MA#		MA001216578						
Package		PG-TO247-3-41		Weight*		6060.72 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	35.449	0.58	0.58	5849	5849
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
wire	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87295	87408
	non noble metal	aluminium	7429-90-5	12.649	0.21	0.21	2087	2087
encapsulation	organic material	carbon black	1333-86-4	19.670	0.32		3245	
	plastics	epoxy resin	-	373.725	6.17		61664	
leadfinish	inorganic material	silicondioxide	60676-86-0	1573.579	25.96	32.45	259636	324545
	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5259	5259
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4796	4796
solder	non noble metal	antimony	7440-36-0	1.247	0.02		206	
	noble metal	silver	7440-22-4	3.117	0.05		514	
heatspreader	non noble metal	tin	7440-31-5	8.105	0.13	0.20	1337	2057
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.73	56.81	567261	567999
*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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