



Material Content Data Sheet



Sales Product Name	IPW60R165CP			Issued		23. January 2020		
MA#	MA000841662							
Package	PG-TO247-3-44			Weight*		6050.56 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	10.313	0.17	0.17	1705	1705
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87441	87555
wire	non noble metal	aluminium	7429-90-5	5.377	0.09	0.09	889	889
encapsulation	organic material	carbon black	1333-86-4	19.970	0.33		3300	
	plastics	epoxy resin	-	379.422	6.27		62708	
	inorganic material	silicondioxide	60676-86-0	1597.566	26.40	33.00	264035	330043
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.474	0.01		78	
	noble metal	silver	7440-22-4	1.185	0.02		196	
	non noble metal	tin	7440-31-5	3.080	0.05	0.08	509	783
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	56.82	56.90	568213	568953
*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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