



Material Content Data Sheet



Sales Product Name		IPW90R500C3		Issued		25. September 2017		
MA#		MA000468410						
Package		PG-TO247-3-41		Weight*		6049.32 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	9.945	0.16	0.16	1644	1644
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	8.75	8.76	87459	87573
	non noble metal	aluminium	7429-90-5	4.087	0.07	0.07	676	676
wire	non noble metal	aluminium	7429-90-5	4.087	0.07	0.07	676	676
encapsulation	organic material	carbon black	1333-86-4	19.975	0.33		3302	
	plastics	epoxy resin	-	379.525	6.27		62738	
	inorganic material	silicondioxide	60676-86-0	1598.000	26.42	33.02	264162	330202
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	0.461	0.01		76	
	noble metal	silver	7440-22-4	1.152	0.02		190	
	non noble metal	tin	7440-31-5	2.994	0.05	0.08	495	761
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	568330	569070
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com