



## Material Content Data Sheet



Sales Product Name	IPW60R099P7			Issued		11. December 2019		
MA#	MA005409743							
Package	PG-TO247-3-44			Weight*		6049.12 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	7.092	0.12	0.12	1172	1172
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	87462	87576
wire	non noble metal	aluminium	7429-90-5	5.346	0.09	0.09	884	884
encapsulation	organic material	carbon black	1333-86-4	19.999	0.33		3306	
	plastics	epoxy resin	-	379.984	6.28		62817	
	inorganic material	silicondioxide	60676-86-0	1599.934	26.45	33.06	264491	330614
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	0.359	0.01		59	
	noble metal	silver	7440-22-4	0.897	0.01		148	
	non noble metal	tin	7440-31-5	2.331	0.04	0.06	385	592
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	568348	569088
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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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