



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW60R070C6		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001686918						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6054.59 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	21.341	0.35	0.35	3525	3525
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	87383	87497
	non noble metal	aluminium	7429-90-5	7.987	0.13	0.13	1319	1319
wire	non noble metal	aluminium	7429-90-5	7.987	0.13	0.13	1319	1319
encapsulation	organic material	carbon black	1333-86-4	19.837	0.33		3276	
	plastics	epoxy resin	-	376.911	6.23		62252	
	inorganic material	silicondioxide	60676-86-0	1586.993	26.21	32.77	262114	327642
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.834	0.01		138	
	noble metal	silver	7440-22-4	2.085	0.03		344	
	non noble metal	tin	7440-31-5	5.420	0.09	0.13	895	1377
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	56.78	56.86	567836	568576
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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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