



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW60R055CFD7		<b>Issued</b>		2. August 2018		
<b>MA#</b>		MA001691416						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6050.52 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	11.493	0.19	0.19	1899	1899
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	87442	87556
	non noble metal	aluminium	7429-90-5	8.534	0.14	0.14	1410	1410
wire	non noble metal	aluminium	7429-90-5	8.534	0.14	0.14	1410	1410
encapsulation	organic material	carbon black	1333-86-4	19.922	0.33		3293	
	plastics	epoxy resin	-	378.509	6.26		62558	
	inorganic material	silicondioxide	60676-86-0	1593.723	26.34	32.93	263403	329254
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	0.517	0.01		85	
	noble metal	silver	7440-22-4	1.291	0.02		213	
	non noble metal	tin	7440-31-5	3.358	0.06	0.09	555	853
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	56.81	56.89	568216	568956
*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

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