



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW60R125CP		<b>Issued</b>		31. July 2018		
<b>MA#</b>		MA001674876						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6050.83 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	13.508	0.22	0.22	2232	2232
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	87437	87551
	non noble metal	aluminium	7429-90-5	4.277	0.07	0.07	707	707
wire	non noble metal	aluminium	7429-90-5	4.277	0.07	0.07	707	707
encapsulation	organic material	carbon black	1333-86-4	19.941	0.33		3296	
	plastics	epoxy resin	-	378.882	6.26		62616	
	inorganic material	silicondioxide	60676-86-0	1595.291	26.36	32.95	263648	329560
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	4803	4803
solder	non noble metal	antimony	7440-36-0	0.576	0.01		95	
	noble metal	silver	7440-22-4	1.440	0.02		238	
	non noble metal	tin	7440-31-5	3.743	0.06	0.09	619	952
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	56.83	56.91	568187	568927
*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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