



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW65R190CFDA		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA001001682						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6048.79 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	9.451	0.16	0.16	1562	1562
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87467	87581
wire	non noble metal	aluminium	7429-90-5	1.460	0.02	0.02	241	241
encapsulation	organic material	carbon black	1333-86-4	20.003	0.33		3307	
	plastics	epoxy resin	-	380.053	6.28		62831	
	inorganic material	silicondioxide	60676-86-0	1600.222	26.46	33.07	264553	330691
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.442	0.01		73	
	noble metal	silver	7440-22-4	1.106	0.02		183	
	non noble metal	tin	7440-31-5	2.875	0.05	0.08	475	731
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.82	56.90	568379	569119
*deviation	< 10%		Sum in total:			100,00		1000000

### Important Remarks:

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