



## Material Content Data Sheet



<b>Sales Product Name</b>		IPZ65R045C7		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001070630						
<b>Package</b>		PG-TO247-4-1		<b>Weight*</b>		6178.32 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	15.501	0.25	0.25	2509	2509
leadframe	non noble metal	iron	7439-89-6	2.890	0.05		468	
	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	copper	7440-50-8	2885.760	46.71	46.77	467078	467686
wire	non noble metal	aluminium	7429-90-5	95.380	1.54	1.54	15438	15438
encapsulation	organic material	carbon black	1333-86-4	19.219	0.31		3111	
	plastics	epoxy resin	-	365.161	5.91		59104	
	inorganic material	silicondioxide	60676-86-0	1537.520	24.89	31.11	248858	311073
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3737	3737
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.648	0.01		105	
	noble metal	silver	7440-22-4	1.619	0.03		262	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	681	1048
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		59	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1222.919	19.79	19.82	197937	198194
*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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