



## Material Content Data Sheet



<b>Sales Product Name</b>		IPZ60R040C7		<b>Issued</b>		26. September 2017		
<b>MA#</b>		MA001302030						
<b>Package</b>		PG-TO247-4-1		<b>Weight*</b>		6168.42 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	2513	2513
leadframe	non noble metal	iron	7439-89-6	2.890	0.05		468	
	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	copper	7440-50-8	2885.760	46.79	46.85	467828	468437
wire	non noble metal	aluminium	7429-90-5	9.463	0.15	0.15	1534	1534
encapsulation	organic material	carbon black	1333-86-4	19.979	0.32		3239	
	plastics	epoxy resin	-	379.605	6.15		61540	
	inorganic material	silicondioxide	60676-86-0	1598.336	25.91	32.38	259115	323894
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3743	3743
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		263	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	683	1051
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		199	
	non noble metal	copper	7440-50-8	1222.919	19.83	19.86	198254	198513
*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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