



## Material Content Data Sheet



<b>Sales Product Name</b>		IPZ60R125P6		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001401496						
<b>Package</b>		PG-TO247-4-1		<b>Weight*</b>		6166.41 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	12.221	0.20	0.20	1982	1982
leadframe	non noble metal	iron	7439-89-6	2.890	0.05		469	
	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	copper	7440-50-8	2885.760	46.78	46.84	467980	468590
wire	non noble metal	aluminium	7429-90-5	1.695	0.03	0.03	275	275
encapsulation	organic material	carbon black	1333-86-4	20.078	0.33		3256	
	plastics	epoxy resin	-	381.477	6.19		61863	
	inorganic material	silicondioxide	60676-86-0	1606.219	26.05	32.57	260478	325597
leadfinish	non noble metal	tin	7440-31-5	23.375	0.38	0.38	3791	3791
plating	non noble metal	nickel	7440-02-0	1.970	0.03	0.03	319	319
solder	non noble metal	antimony	7440-36-0	0.535	0.01		87	
	noble metal	silver	7440-22-4	1.337	0.02		217	
	non noble metal	tin	7440-31-5	3.475	0.06	0.09	564	868
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	198319	198578
*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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