



## Material Content Data Sheet



<b>Sales Product Name</b>		IPZ60R060C7		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001394028						
<b>Package</b>		PG-TO247-4-1		<b>Weight*</b>		6172.64 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	10.303	0.17	0.17	1669	1669
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	46.74	46.80	467507	468115
wire	non noble metal	aluminium	7429-90-5	62.685	1.02	1.02	10155	10155
encapsulation	organic material	carbon black	1333-86-4	19.555	0.32		3168	
	plastics	epoxy resin	-	371.553	6.02		60194	
	inorganic material	silicondioxide	60676-86-0	1564.432	25.34	31.68	253447	316809
leadfinish	non noble metal	tin	7440-31-5	23.375	0.38	0.38	3787	3787
plating	non noble metal	nickel	7440-02-0	1.970	0.03	0.03	319	319
solder	non noble metal	antimony	7440-36-0	0.474	0.01		77	
	noble metal	silver	7440-22-4	1.186	0.02		192	
	non noble metal	tin	7440-31-5	3.083	0.05	0.08	499	768
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1222.919	19.81	19.84	198120	198378
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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