



## Material Content Data Sheet



<b>Sales Product Name</b>		IMZ120R045M1		<b>Issued</b>		9. January 2019		
<b>MA#</b>		MA004264530						
<b>Package</b>		PG-TO247-4-1		<b>Weight*</b>		6162.31 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	3.587	0.06	0.06	582	582
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	iron	7439-89-6	2.890	0.05		469	
	non noble metal	copper	7440-50-8	2885.760	46.83	46.89	468291	468901
	non noble metal	aluminium	7429-90-5	3.341	0.05	0.05	542	542
wire	non noble metal	aluminium	7429-90-5	3.341	0.05	0.05	542	542
encapsulation	organic material	carbon black	1333-86-4	20.142	0.33		3269	
	plastics	epoxy resin	-	382.704	6.21		62104	
	inorganic material	silicondioxide	60676-86-0	1611.387	26.15	32.69	261490	326863
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3746	3746
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	316	316
solder	non noble metal	antimony	7440-36-0	0.209	0.00		34	
	noble metal	silver	7440-22-4	0.523	0.01		85	
	non noble metal	tin	7440-31-5	1.359	0.02	0.03	221	340
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	19.85	19.88	198451	198710
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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