



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA80R1K4CE		<b>Issued</b>		22. January 2018			
<b>MA#</b>		MA001354012							
<b>Package</b>		PG-TO220-3-312		<b>Weight*</b>		2056.86 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	3.894	0.19	0.19	1893	1893	
leadframe	non noble metal	iron	7439-89-6	0.949	0.05		461		
	inorganic material	phosphorus	7723-14-0	0.285	0.01		138		
	non noble metal	copper	7440-50-8	947.445	46.06	46.12	460627	461226	
wire	non noble metal	aluminium	7429-90-5	8.113	0.39	0.39	3944	3944	
encapsulation	organic material	carbon black	1333-86-4	10.826	0.53		5263		
	plastics	epoxy resin	-	173.213	8.42		84212		
	inorganic material	silicondioxide	60676-86-0	898.542	43.69	52.64	436851	526326	
leadfinish	non noble metal	tin	7440-31-5	11.234	0.55	0.55	5462	5462	
solder	non noble metal	antimony	7440-36-0	0.236	0.01		115		
	noble metal	silver	7440-22-4	0.591	0.03		287		
	non noble metal	tin	7440-31-5	1.537	0.07	0.11	747	1149	
*deviation	< 10%					Sum in total:	100.00		1000000

### Important Remarks:

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