



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R190E6		<b>Issued</b>		19. May 2016			
<b>MA#</b>		MA000975780							
<b>Package</b>		PG-TO220-3-253		<b>Weight*</b>		2135.12 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	8.148	0.38	0.38	3816	3816	
leadframe	non noble metal	iron	7439-89-6	1.431	0.07		670		
	inorganic material	phosphorus	7723-14-0	0.429	0.02		201		
	non noble metal	copper	7440-50-8	1428.770	66.91	67.00	669177	670048	
wire	non noble metal	aluminium	7429-90-5	28.481	1.33	1.33	13339	13339	
encapsulation	organic material	carbon black	1333-86-4	3.203	0.15		1500		
	plastics	epoxy resin	-	124.933	5.85		58514		
	inorganic material	silicondioxide	60676-86-0	512.546	24.01	30.01	240056	300070	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10052	10052	
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826	
solder	non noble metal	antimony	7440-36-0	0.395	0.02		185		
	noble metal	silver	7440-22-4	0.987	0.05		462		
	non noble metal	tin	7440-31-5	2.567	0.12	0.19	1202	1849	
*deviation	< 10%					Sum in total:	100.00		1000000

### Important Remarks:

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