



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA50R350CP		<b>Issued</b>		25. September 2017			
<b>MA#</b>		MA001509876							
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2107.04 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	5.444	0.26	0.26	2584	2584	
leadframe	non noble metal	iron	7439-89-6	1.202	0.06		571		
	inorganic material	phosphorus	7723-14-0	0.361	0.02		171		
	non noble metal	copper	7440-50-8	1200.685	56.98	57.06	569846	570588	
wire	non noble metal	aluminium	7429-90-5	15.491	0.74	0.74	7352	7352	
encapsulation	organic material	carbon black	1333-86-4	8.730	0.41		4143		
	plastics	epoxy resin	-	139.678	6.63		66291		
	inorganic material	silicondioxide	60676-86-0	724.578	34.39	41.43	343885	414319	
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3744	3744	
solder	non noble metal	antimony	7440-36-0	0.298	0.01		141		
	noble metal	silver	7440-22-4	0.745	0.04		353		
	non noble metal	tin	7440-31-5	1.936	0.09	0.14	919	1413	
*deviation	< 10%					Sum in total:	100.00		1000000

### Important Remarks:

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