



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R160P6		<b>Issued</b>		22. January 2018			
<b>MA#</b>		MA001169158							
<b>Package</b>		PG-TO220-3-253		<b>Weight*</b>		2135.88 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	9.747	0.46	0.46	4564	4564	
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	66.89	66.98	668938	669809	
wire	non noble metal	aluminium	7429-90-5	2.925	0.14	0.14	1369	1369	
encapsulation	organic material	carbon black	1333-86-4	3.324	0.16		1556		
	plastics	epoxy resin	-	129.636	6.07		60695		
	inorganic material	silicondioxide	60676-86-0	531.842	24.90	31.13	249004	311255	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10049	10049	
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826	
solder	non noble metal	antimony	7440-36-0	0.455	0.02		213		
	noble metal	silver	7440-22-4	1.136	0.05		532		
	non noble metal	tin	7440-31-5	2.955	0.14	0.21	1383	2128	
*deviation	< 10%					Sum in total:	100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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