



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R160P6		<b>Issued</b>		4. July 2019			
<b>MA#</b>		MA004914212							
<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	inorganic material	phosphorus	7723-14-0	0.429	0.02		201		
	non noble metal	iron	7439-89-6	1.431	0.07		670		
	non noble metal	copper	7440-50-8	1428.770	66.89	66.98	668939	669810	
wire	non noble metal	aluminium	7429-90-5	3.045	0.14	0.14	1426	1426	
encapsulation	organic material	carbon black	1333-86-4	3.323	0.16		1556		
	plastics	epoxy resin	-	129.613	6.07		60684		
	inorganic material	silicondioxide	60676-86-0	531.745	24.90	31.13	248958	311198	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10048	10048	
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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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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