



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA60R520C6		<b>Issued</b>		10. August 2016	
<b>MA#</b>				MA000973228					
<b>Package</b>				PG-TO220-3-111		<b>Weight*</b>		2246.47 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	3.425	0.15	0.15	1525	1525	
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306		
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92		
	non noble metal	copper	7440-50-8	686.221	30.55	30.59	305466	305864	
wire	non noble metal	aluminium	7429-90-5	6.983	0.31	0.31	3108	3108	
encapsulation	organic material	carbon black	1333-86-4	2.226	0.10		991		
	plastics	epoxy resin	-	208.059	9.26		92616		
	inorganic material	silicondioxide	60676-86-0	895.596	39.87	49.23	398666	492274	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3535	3535	
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136	
solder	non noble metal	antimony	7440-36-0	0.215	0.01		96		
	noble metal	silver	7440-22-4	0.537	0.02		239		
	non noble metal	tin	7440-31-5	1.397	0.06	0.09	622	957	
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193		
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58		
	non noble metal	copper	7440-50-8	432.110	19.24	19.27	192350	192601	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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