



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP60R099C6		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA001709092					
<b>Package</b>				PG-TO220-3-123		<b>Weight*</b>		2031.47 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	15.501	0.76	0.76	7630	7630	
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	iron	7439-89-6	0.816	0.04		402		
	non noble metal	copper	7440-50-8	815.335	40.14	40.19	401353	401876	
	non noble metal	aluminium	7429-90-5	2.622	0.13	0.13	1291	1291	
wire	non noble metal	aluminium	7429-90-5	2.622	0.13	0.13	1291	1291	
encapsulation	organic material	carbon black	1333-86-4	2.308	0.11		1136		
	plastics	epoxy resin	-	66.932	3.29		32948		
	inorganic material	silicondioxide	60676-86-0	507.762	24.99	28.39	249948	284032	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10565	10565	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868	
solder	non noble metal	antimony	7440-36-0	0.649	0.03		319		
	noble metal	silver	7440-22-4	1.621	0.08		798		
	non noble metal	tin	7440-31-5	4.216	0.21	0.32	2075	3192	
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	iron	7439-89-6	0.590	0.03		291		
	non noble metal	copper	7440-50-8	589.466	29.02	29.06	290168	290546	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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