



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP90R500C3		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA000669546						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2033.98 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	9.945	0.49	0.49	4890	4890
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.07	40.12	400858	401380
wire	non noble metal	aluminium	7429-90-5	2.792	0.14	0.14	1373	1373
encapsulation	organic material	carbon black	1333-86-4	5.883	0.29		2892	
	plastics	epoxy resin	-	111.776	5.50		54955	
	inorganic material	silicondioxide	60676-86-0	470.635	23.14	28.93	231387	289234
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10552	10552
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120
solder	non noble metal	antimony	7440-36-0	0.461	0.02		226	
	noble metal	silver	7440-22-4	1.152	0.06		566	
	non noble metal	tin	7440-31-5	2.994	0.15	0.23	1472	2264
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	28.98	29.02	289810	290187
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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