



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP60R380E6		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001113028						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		2027.04 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	4.522	0.22	0.22	2231	2231
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.23	40.28	402228	402752
wire	non noble metal	aluminium	7429-90-5	6.970	0.34	0.34	3438	3438
encapsulation	organic material	carbon black	1333-86-4	2.332	0.12		1151	
	plastics	epoxy resin	-	67.639	3.34		33368	
	inorganic material	silicondioxide	60676-86-0	513.120	25.31	28.77	253137	287656
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10588	10588
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.261	0.01		129	
	noble metal	silver	7440-22-4	0.652	0.03		321	
	non noble metal	tin	7440-31-5	1.694	0.08	0.12	836	1286
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.08	29.12	290801	291179
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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