



## Material Content Data Sheet



Sales Product Name	IPP80P04P4-05			Issued		29. August 2013		
MA#	MA000797170							
Package	PG-TO220-3-1			Weight*		2035.48 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	4.029	0.20	0.20	1979	1979
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	400561	401083
wire	non noble metal	aluminium	7429-90-5	5.369	0.26	0.26	2637	2637
encapsulation	organic material	carbon black	1333-86-4	8.918	0.44		4381	
	plastics	epoxy resin	-	98.101	4.82		48195	
	inorganic material	silicondioxide	60676-86-0	487.531	23.95	29.21	239517	292093
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10544	10544
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	noble metal	silver	7440-22-4	0.080	0.00		39	
	non noble metal	tin	7440-31-5	0.064	0.00		31	
	non noble metal	lead	7439-92-1	3.055	0.15	0.15	1501	1571
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.96	29.00	289596	289973
*deviation	< 10%	Sum in total:				100,00		1000000

### Important Remarks:

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