



Material Content Data Sheet



Sales Product Name	IPP80P03P4L-07			Issued		29. August 2013		
MA#	MA000461994							
Package	PG-TO220-3-1			Weight*		2034.32 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	2.218	0.11	0.11	1090	1090
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	400790	401312
wire	non noble metal	aluminium	7429-90-5	5.801	0.29	0.29	2851	2851
encapsulation	organic material	carbon black	1333-86-4	8.938	0.44		4394	
	plastics	epoxy resin	-	98.316	4.83		48329	
	inorganic material	silicondioxide	60676-86-0	488.602	24.02	29.29	240180	292903
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10550	10550
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	lead	7439-92-1	2.011	0.10		989	
	noble metal	silver	7440-22-4	0.053	0.00		26	
	non noble metal	tin	7440-31-5	0.042	0.00	0.10	21	1036
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	28.98	29.02	289761	290138
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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