



## Material Content Data Sheet



Sales Product Name	IPP70P04P4-09			Issued		29. August 2013		
MA#	MA000797166							
Package	PG-TO220-3-1			Weight*		2034.17 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	2.074	0.10	0.10	1020	1020
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	40.09	40.14	400819	401341
wire	non noble metal	aluminium	7429-90-5	5.381	0.26	0.26	2645	2645
encapsulation	organic material	carbon black	1333-86-4	8.945	0.44		4398	
	plastics	epoxy resin	-	98.400	4.84		48374	
	inorganic material	silicondioxide	60676-86-0	489.019	24.04	29.32	240402	293174
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10551	10551
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	1.923	0.09		945	
	noble metal	silver	7440-22-4	0.050	0.00		25	
	non noble metal	tin	7440-31-5	0.040	0.00	0.09	20	990
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	289782	290159
*deviation	< 10%	Sum in total:			100,00		1000000	

### Important Remarks:

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