



Material Content Data Sheet



Sales Product Name		IPP057N08N3 G		Issued		29. August 2013		
MA#		MA000761132						
Package		PG-TO220-3-1		Weight*		2031.80 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	4.423	0.22	0.22	2177	2177
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.12	40.17	401287	401810
wire	non noble metal	aluminium	7429-90-5	6.666	0.33	0.33	3281	3281
encapsulation	organic material	carbon black	1333-86-4	5.900	0.29		2904	
	plastics	epoxy resin	-	112.092	5.52		55169	
	inorganic material	silicondioxide	60676-86-0	471.966	23.23	29.04	232290	290363
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10563	10563
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	0	120
solder	non noble metal	antimony	7440-36-0	0.242	0.01		119	
	noble metal	silver	7440-22-4	0.604	0.03		297	
	non noble metal	tin	7440-31-5	1.570	0.08	0.12	773	1189
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	29.01	29.05	290120	290497
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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