



Material Content Data Sheet



Sales Product Name				IPP052NE7N3 G		Issued		29. August 2013	
MA#				MA000858370					
Package				PG-TO220-3-123		Weight*		2026.85 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	2182	2182	
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	402268	402792	
wire	non noble metal	aluminium	7429-90-5	5.890	0.29	0.29	2906	2906	
encapsulation	organic material	carbon black	1333-86-4	2.337	0.12		1153		
	plastics	epoxy resin	-	67.763	3.34		33433		
	inorganic material	silicondioxide	60676-86-0	514.064	25.36	28.82	253628	288214	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10589	10589	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870	
solder	non noble metal	tin	7440-31-5	1.634	0.08		806		
	noble metal	silver	7440-22-4	0.629	0.03		310		
	non noble metal	antimony	7440-36-0	0.251	0.01	0.12	124	1240	
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	290829	291207	
*deviation	< 10%					Sum in total:	100,00	1000000	

Important Remarks:

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