



Material Content Data Sheet



Sales Product Name		IPP037N08N3 G		Issued		29. August 2013		
MA#		MA000933820						
Package		PG-TO220-3-1		Weight*		2033.43 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	7.048	0.35	0.35	3466	3466
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	400967	401488
wire	non noble metal	aluminium	7429-90-5	9.594	0.47	0.47	4718	4718
encapsulation	organic material	carbon black	1333-86-4	5.849	0.29		2877	
	plastics	epoxy resin	-	111.137	5.47		54655	
	inorganic material	silicondioxide	60676-86-0	467.945	23.01	28.77	230127	287659
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10555	10555
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	0.352	0.02		173	
	noble metal	silver	7440-22-4	0.879	0.04		432	
	non noble metal	tin	7440-31-5	2.286	0.11	0.17	1124	1729
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	28.99	29.03	289888	290265
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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