



Material Content Data Sheet



Sales Product Name		IPP65R225C7		Issued		29. August 2013		
MA#		MA001043900						
Package		PG-TO220-3-1		Weight*		2031.07 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	3.621	0.18	0.18	1783	1783
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	40.14	40.19	401430	401954
wire	non noble metal	aluminium	7429-90-5	2.617	0.13	0.13	1288	1288
encapsulation	organic material	carbon black	1333-86-4	5.942	0.29		2926	
	plastics	epoxy resin	-	112.906	5.56		55589	
	inorganic material	silicondioxide	60676-86-0	475.392	23.41	29.26	234060	292575
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10567	10567
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	antimony	7440-36-0	0.226	0.01		111	
	noble metal	silver	7440-22-4	0.564	0.03		278	
	non noble metal	tin	7440-31-5	1.466	0.07	0.11	722	1111
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	29.02	29.06	290224	290602
*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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