



Material Content Data Sheet



Sales Product Name		IPP65R150CFDA		Issued		29. August 2013		
MA#		MA001001680						
Package		PG-TO220-3-1		Weight*		2039.90 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	11.566	0.57	0.57	5670	5670
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		400	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	39.98	40.03	399693	400214
wire	non noble metal	aluminium	7429-90-5	2.542	0.12	0.12	1246	1246
encapsulation	organic material	carbon black	1333-86-4	8.851	0.43		4339	
	plastics	epoxy resin	-	97.366	4.77		47731	
	inorganic material	silicondioxide	60676-86-0	483.877	23.72	28.92	237207	289277
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10521	10521
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	noble metal	silver	7440-22-4	0.184	0.01		90	
	non noble metal	tin	7440-31-5	0.147	0.01		72	
	non noble metal	lead	7439-92-1	7.028	0.34	0.36	3445	3607
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		289	
	non noble metal	copper	7440-50-8	589.466	28.90	28.94	288969	289345
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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