



Material Content Data Sheet



Sales Product Name		IPP100N04S3-03		Issued		29. August 2013		
MA#		MA000362834						
Package		PG-TO220-3-1		Weight*		2038.89 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	8.313	0.41	0.41	4077	4077
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	399891	400412
wire	non noble metal	aluminium	7429-90-5	10.526	0.52	0.52	5163	5163
encapsulation	organic material	carbon black	1333-86-4	8.790	0.43		4311	
	plastics	epoxy resin	-	96.685	4.74		47421	
	inorganic material	silicondioxide	60676-86-0	480.495	23.57	28.74	235666	287398
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10527	10527
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	0.144	0.01		70	
	non noble metal	tin	7440-31-5	0.115	0.01		56	
	non noble metal	lead	7439-92-1	5.483	0.27	0.29	2689	2815
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	28.91	28.95	289112	289488
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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