



Material Content Data Sheet



Sales Product Name		IPP70N10S3-12		Issued		29. August 2013		
MA#		MA000408220						
Package		PG-TO220-3-1		Weight*		2036.98 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	5.755	0.28	0.28	2825	2825
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	40.03	40.08	400266	400788
wire	non noble metal	aluminium	7429-90-5	5.303	0.26	0.26	2604	2604
encapsulation	organic material	carbon black	1333-86-4	8.894	0.44		4366	
	plastics	epoxy resin	-	97.832	4.80		48028	
	inorganic material	silicondioxide	60676-86-0	486.196	23.87	29.11	238685	291079
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10536	10536
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	0.117	0.01		57	
	non noble metal	tin	7440-31-5	0.093	0.00		46	
	non noble metal	lead	7439-92-1	4.452	0.22	0.23	2186	2289
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	28.94	28.98	289382	289759
*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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