



Material Content Data Sheet



Sales Product Name	IPI80N03S4L-04			Issued		29. August 2013		
MA#	MA000859352							
Package	PG-TO262-3-1			Weight*		1571.75 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	2.247	0.14	0.14	1430	1430
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		541	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	copper	7440-50-8	849.682	54.07	54.14	540597	541301
wire	non noble metal	aluminium	7429-90-5	5.638	0.36	0.36	3587	3587
encapsulation	organic material	carbon black	1333-86-4	8.838	0.56		5623	
	plastics	epoxy resin	-	97.213	6.18		61850	
	inorganic material	silicondioxide	60676-86-0	483.119	30.74	37.48	307377	374850
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9669	9669
plating	non noble metal	nickel	7440-02-0	0.228	0.01		145	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145
solder	noble metal	silver	7440-22-4	0.053	0.00		34	
	non noble metal	tin	7440-31-5	0.043	0.00		27	
	non noble metal	lead	7439-92-1	2.035	0.13	0.13	1295	1356
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.76	6.77	67574	67662
*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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