



Material Content Data Sheet



Sales Product Name	IPI80N04S3-04			Issued		29. August 2013		
MA#	MA000366354							
Package	PG-TO262-3-1			Weight*		1573.55 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	4.719	0.30	0.30	2999	2999
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	53.99	54.06	539980	540684
wire	non noble metal	aluminium	7429-90-5	6.145	0.39	0.39	3905	3905
encapsulation	organic material	carbon black	1333-86-4	8.796	0.56		5590	
	plastics	epoxy resin	-	96.755	6.15		61489	
	inorganic material	silicondioxide	60676-86-0	480.842	30.56	37.27	305579	372658
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9658	9658
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	0.093	0.01		59	
	non noble metal	tin	7440-31-5	0.074	0.00		47	
	non noble metal	lead	7439-92-1	3.557	0.23	0.24	2260	2366
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	6.75	6.76	67497	67585
*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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