



Material Content Data Sheet



Sales Product Name		IPI086N10N3 G		Issued		19. January 2018		
MA#		MA001709828						
Package		PG-TO262-3-22		Weight*		1564.50 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	4.609	0.29	0.29	2946	2946
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		544	
	non noble metal	copper	7440-50-8	849.682	54.30	54.37	543101	543808
	non noble metal	aluminium	7429-90-5	6.506	0.42	0.42	4159	4159
wire	non noble metal	aluminium	7429-90-5	6.506	0.42	0.42	4159	4159
encapsulation	organic material	carbon black	1333-86-4	2.307	0.15		1475	
	plastics	epoxy resin	-	66.902	4.28		42762	
	inorganic material	silicondioxide	60676-86-0	507.529	32.44	36.87	324404	368641
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9714	9714
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1055	1055
solder	non noble metal	antimony	7440-36-0	0.266	0.02		170	
	noble metal	silver	7440-22-4	0.665	0.04		425	
	non noble metal	tin	7440-31-5	1.730	0.11	0.17	1106	1701
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	6.79	6.80	67888	67976
*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.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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