



Material Content Data Sheet



Sales Product Name		IPB027N10N3 G		Issued		29. August 2013		
MA#		MA000801042						
Package		PG-TO263-3-2		Weight*		1564.99 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	15.455	0.99	0.99	9875	9875
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	iron	7439-89-6	0.304	0.02		194	
wire	non noble metal	copper	7440-50-8	304.026	19.43	19.46	194266	194519
	non noble metal	aluminium	7429-90-5	10.857	0.69	0.69	6938	6938
encapsulation	organic material	carbon black	1333-86-4	10.030	0.64		6409	
	plastics	epoxy resin	-	110.330	7.05		70498	
leadfinish	inorganic material	silicondioxide	60676-86-0	548.305	35.03	42.72	350359	427264
	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6170	6170
plating	non noble metal	nickel	7440-02-0	0.228	0.01		146	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	146
solder	non noble metal	tin	7440-31-5	0.147	0.01		94	
	noble metal	silver	7440-22-4	0.183	0.01		117	
heatspreader	non noble metal	lead	7439-92-1	7.001	0.45	0.47	4474	4684
	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		350	
	non noble metal	copper	7440-50-8	547.666	34.99	35.04	349947	350403
*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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