



Material Content Data Sheet



Sales Product Name		IPB083N10N3 G		Issued		29. August 2013		
MA#		MA000802854						
Package		PG-TO263-3-2		Weight*		1559.53 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	0.30	0.30	2955	2955
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		59	
	non noble metal	copper	7440-50-8	304.026	19.49	19.52	194948	195202
wire	non noble metal	aluminium	7429-90-5	5.060	0.32	0.32	3245	3245
encapsulation	organic material	carbon black	1333-86-4	10.251	0.66		6573	
	plastics	epoxy resin	-	112.762	7.23		72305	
	inorganic material	silicondioxide	60676-86-0	560.392	35.93	43.82	359332	438211
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6192	6192
plating	non noble metal	nickel	7440-02-0	0.228	0.01		147	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	147
solder	noble metal	silver	7440-22-4	0.094	0.01		60	
	non noble metal	tin	7440-31-5	0.075	0.00		48	
	non noble metal	lead	7439-92-1	3.600	0.23	0.24	2308	2416
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		352	
	non noble metal	copper	7440-50-8	547.666	35.12	35.17	351175	351632
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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