



Material Content Data Sheet



Sales Product Name		IPB50N10S3L-16		Issued		29. August 2013		
MA#		MA000390532						
Package		PG-TO263-3-2		Weight*		1559.69 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	4.429	0.28	0.28	2840	2840
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	194928	195182
wire	non noble metal	aluminium	7429-90-5	5.357	0.34	0.34	3435	3435
encapsulation	organic material	carbon black	1333-86-4	10.249	0.66		6571	
	plastics	epoxy resin	-	112.737	7.23		72282	
	inorganic material	silicondioxide	60676-86-0	560.271	35.92	43.81	359219	438073
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6191	6191
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	1	146
solder	noble metal	silver	7440-22-4	0.099	0.01		63	
	non noble metal	tin	7440-31-5	0.079	0.01		51	
	non noble metal	lead	7439-92-1	3.779	0.24	0.26	2423	2537
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	35.11	35.16	351139	351596
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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