



Material Content Data Sheet



Sales Product Name		IPB70N10SL-16		Issued		29. August 2013		
MA#		MA000532836						
Package		PG-TO263-3-2		Weight*		1564.59 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	13.341	0.85	0.85	8527	8527
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	copper	7440-50-8	304.026	19.43	19.46	194317	194570
wire	non noble metal	aluminium	7429-90-5	5.063	0.32	0.32	3236	3236
encapsulation	organic material	carbon black	1333-86-4	10.131	0.65		6475	
	plastics	epoxy resin	-	111.444	7.12		71229	
	inorganic material	silicondioxide	60676-86-0	553.841	35.41	43.18	353985	431690
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6172	6172
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	0.202	0.01		129	
	non noble metal	tin	7440-31-5	0.162	0.01		103	
	non noble metal	lead	7439-92-1	7.720	0.49	0.51	4934	5166
heatspreader	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	35.00	35.05	350038	350493
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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