



Material Content Data Sheet



Sales Product Name		IGB01N120H2		Issued		29. August 2013		
MA#		MA000375463						
Package		PG-TO263-3-2		Weight*		1555.99 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	0.824	0.05	0.05	530	530
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		196	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		59	
	non noble metal	copper	7440-50-8	304.026	19.54	19.57	195391	195646
wire	non noble metal	aluminium	7429-90-5	0.119	0.01	0.01	77	77
encapsulation	organic material	carbon black	1333-86-4	10.371	0.67		6666	
	plastics	epoxy resin	-	114.086	7.33		73321	
	inorganic material	silicondioxide	60676-86-0	566.973	36.43	44.43	364380	444368
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6206	6206
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	non noble metal	lead	7439-92-1	0.884	0.06		568	
	noble metal	silver	7440-22-4	0.023	0.00		15	
	non noble metal	tin	7440-31-5	0.019	0.00	0.06	12	595
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		106	
	non noble metal	iron	7439-89-6	0.548	0.04		352	
	non noble metal	copper	7440-50-8	547.666	35.20	35.25	351973	352431
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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