



Material Content Data Sheet



Sales Product Name		IPB60R600CP		Issued		29. August 2013		
MA#		MA000737372						
Package		PG-TO263-3-2		Weight*		1558.35 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	3.544	0.23	0.23	2274	2274
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	19.51	19.54	195095	195349
wire	non noble metal	aluminium	7429-90-5	0.745	0.05	0.05	478	478
encapsulation	organic material	carbon black	1333-86-4	10.324	0.66		6625	
	plastics	epoxy resin	-	113.559	7.29		72871	
	inorganic material	silicondioxide	60676-86-0	564.353	36.22	44.17	362146	441643
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6197	6197
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	0.079	0.00		50	
	non noble metal	tin	7440-31-5	0.063	0.00		40	
	non noble metal	lead	7439-92-1	3.000	0.19	0.19	1925	2015
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	35.14	35.19	351439	351897
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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