



Material Content Data Sheet



Sales Product Name		IPB60R280C6		Issued		29. August 2013		
MA#		MA000974266						
Package		PG-TO263-3-2		Weight*		1560.01 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	5.826	0.37	0.37	3734	3734
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	194887	195141
wire	non noble metal	aluminium	7429-90-5	2.685	0.17	0.17	1721	1721
encapsulation	organic material	carbon black	1333-86-4	10.266	0.66		6581	
	plastics	epoxy resin	-	112.925	7.24		72388	
	inorganic material	silicondioxide	60676-86-0	561.205	35.96	43.86	359744	438713
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6190	6190
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	0	146
solder	noble metal	silver	7440-22-4	0.110	0.01		71	
	non noble metal	tin	7440-31-5	0.088	0.01		57	
	non noble metal	lead	7439-92-1	4.219	0.27	0.29	2705	2833
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	351065	351522
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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