



Material Content Data Sheet



Sales Product Name		IPB60R250CP		Issued		29. August 2013		
MA#		MA000848650						
Package		PG-TO263-3-2		Weight*		1560.86 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	7.176	0.46	0.46	4598	4598
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	19.48	19.51	194781	195035
wire	non noble metal	aluminium	7429-90-5	2.821	0.18	0.18	1807	1807
encapsulation	organic material	carbon black	1333-86-4	10.245	0.66		6564	
	plastics	epoxy resin	-	112.700	7.22		72204	
	inorganic material	silicondioxide	60676-86-0	560.085	35.87	43.75	358831	437600
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6187	6187
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	0.129	0.01		82	
	non noble metal	tin	7440-31-5	0.103	0.01		66	
	non noble metal	lead	7439-92-1	4.913	0.31	0.33	3148	3296
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		351	
	non noble metal	copper	7440-50-8	547.666	35.09	35.14	350875	351331
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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