



Material Content Data Sheet



Sales Product Name		IPB65R280E6		Issued		29. August 2013		
MA#		MA001040194						
Package		PG-TO263-3-2		Weight*		1560.16 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	6.035	0.39	0.39	3868	3868
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	194869	195123
wire	non noble metal	aluminium	7429-90-5	2.686	0.17	0.17	1722	1722
encapsulation	organic material	carbon black	1333-86-4	10.263	0.66		6578	
	plastics	epoxy resin	-	112.893	7.24		72360	
	inorganic material	silicondioxide	60676-86-0	561.043	35.94	43.84	359607	438546
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	1	146
solder	noble metal	silver	7440-22-4	0.114	0.01		73	
	non noble metal	tin	7440-31-5	0.091	0.01		58	
	non noble metal	lead	7439-92-1	4.345	0.28	0.30	2785	2916
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	35.10	35.15	351033	351489
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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