



Material Content Data Sheet



Sales Product Name		IPB65R110CFD		Issued		29. August 2013		
MA#		MA001033190						
Package		PG-TO263-3-2		Weight*		1565.61 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	15.501	0.99	0.99	9901	9901
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		194	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	copper	7440-50-8	304.026	19.42	19.45	194191	194443
wire	non noble metal	aluminium	7429-90-5	2.693	0.17	0.17	1720	1720
encapsulation	organic material	carbon black	1333-86-4	10.133	0.65		6472	
	plastics	epoxy resin	-	111.465	7.12		71196	
	inorganic material	silicondioxide	60676-86-0	553.946	35.38	43.15	353820	431489
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6168	6168
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	0.230	0.01		147	
	non noble metal	tin	7440-31-5	0.184	0.01		117	
	non noble metal	lead	7439-92-1	8.772	0.56	0.58	5603	5867
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		350	
	non noble metal	copper	7440-50-8	547.666	34.98	35.03	349811	350266
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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