

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPB015N04N G	**Issued**	29. August 2013
MA#	MA000392620		
Package	PG-TO263-3-2	**Weight***	1562.60 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	8.901	0.57	0.57	5696	5696
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	copper	7440-50-8	304.026	19.46	19.49	194564	194817
wire	non noble metal	aluminium	7429-90-5	9.996	0.64	0.64	6397	6397
encapsulation	organic material	carbon black	1333-86-4	10.126	0.65		6480	
	plastics	epoxy resin	-	111.388	7.13		71284	
	inorganic material	silicondioxide	60676-86-0	553.566	35.41	43.19	354259	432024
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6180	6180
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	0.148	0.01		95	
	non noble metal	tin	7440-31-5	0.119	0.01		76	
	non noble metal	lead	7439-92-1	5.670	0.36	0.38	3629	3800
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	35.05	35.10	350484	350940
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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