Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPI120N04S3-02	**Issued**	29. August 2013
MA#	MA000361816		
Package	PG-TO262-3-1	**Weight***	1578.59 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	12.237	0.78	0.78	7752	7752
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		539	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	copper	7440-50-8	849.682	53.82	53.89	538254	538956
wire	non noble metal	aluminium	7429-90-5	11.412	0.72	0.72	7229	7229
encapsulation	organic material	carbon black	1333-86-4	8.622	0.55		5462	
	plastics	epoxy resin	-	94.844	6.01		60081	
	inorganic material	silicondioxide	60676-86-0	471.345	29.86	36.42	298587	364130
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9627	9627
plating	non noble metal	nickel	7440-02-0	0.228	0.01		145	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145
solder	noble metal	silver	7440-22-4	0.189	0.01		120	
	non noble metal	tin	7440-31-5	0.151	0.01		96	
	non noble metal	lead	7439-92-1	7.224	0.46	0.48	4576	4792
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		67	
	non noble metal	copper	7440-50-8	106.210	6.73	6.74	67282	67369
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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