

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP80N04S2L-03	**Issued**	29. August 2013
MA#	MA000275873		
Package	PG-TO220-3-1	**Weight***	2040.62 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	12.294	0.60	0.60	6024	6024
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		400	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	39.95	40.00	399552	400073
wire	non noble metal	aluminium	7429-90-5	5.425	0.27	0.27	2659	2659
encapsulation	organic material	carbon black	1333-86-4	8.803	0.43		4314	
	plastics	epoxy resin	-	96.833	4.75		47453	
	inorganic material	silicondioxide	60676-86-0	481.232	23.58	28.76	235826	287593
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10518	10518
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120
solder	noble metal	silver	7440-22-4	0.192	0.01		94	
	non noble metal	tin	7440-31-5	0.154	0.01		75	
	non noble metal	lead	7439-92-1	7.350	0.36	0.38	3602	3771
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		289	
	non noble metal	copper	7440-50-8	589.466	28.89	28.93	288866	289242
*deviation	< 10%				Sum in total:	100,00		1000000

Important Remarks:

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