



Material Content Data Sheet



Sales Product Name	IPP80N04S2-H4			Issued		29. August 2013		
MA#	MA000275601							
Package	PG-TO220-3-1			Weight*		2039.50 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	10.198	0.50	0.50	5000	5000
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	39.98	40.03	399770	400291
wire	non noble metal	aluminium	7429-90-5	6.699	0.33	0.33	3285	3285
encapsulation	organic material	carbon black	1333-86-4	8.815	0.43		4322	
	plastics	epoxy resin	-	96.964	4.75		47543	
	inorganic material	silicondioxide	60676-86-0	481.882	23.63	28.81	236275	288140
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10523	10523
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	0.165	0.01		81	
	non noble metal	tin	7440-31-5	0.132	0.01		65	
	non noble metal	lead	7439-92-1	6.310	0.31	0.33	3094	3240
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	28.90	28.94	289025	289401
*deviation	< 10%	Sum in total:			100,00			1000000

Important Remarks:

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