



Material Content Data Sheet



Sales Product Name	IPP120N06S4-02			Issued		29. August 2013		
MA#	MA000662500							
Package	PG-TO220-3-1			Weight*		2038.22 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	7.633	0.37	0.37	3745	3745
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.01	40.06	400023	400545
wire	non noble metal	aluminium	7429-90-5	9.012	0.44	0.44	4421	4421
encapsulation	organic material	carbon black	1333-86-4	8.819	0.43		4327	
	plastics	epoxy resin	-	97.014	4.76		47597	
	inorganic material	silicondioxide	60676-86-0	482.129	23.65	28.84	236544	288468
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10530	10530
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	0.132	0.01		65	
	non noble metal	tin	7440-31-5	0.105	0.01		52	
	non noble metal	lead	7439-92-1	5.035	0.25	0.27	2470	2587
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.92	28.96	289207	289584
*deviation	< 10%	Sum in total:				100,00		1000000

Important Remarks:

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