



Material Content Data Sheet



Sales Product Name				IPP50N10S3L-16		Issued		29. August 2013	
MA#				MA000408234					
Package				PG-TO220-3-1		Weight*		2035.60 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	4.429	0.22	0.22	2176	2176	
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	40.06	40.11	400538	401060	
wire	non noble metal	aluminium	7429-90-5	0.157	0.01	0.01	77	77	
encapsulation	organic material	carbon black	1333-86-4	8.981	0.44		4412		
	plastics	epoxy resin	-	98.789	4.85		48531		
	inorganic material	silicondioxide	60676-86-0	490.951	24.12	29.41	241182	294125	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10543	10543	
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	0.099	0.00		49		
	non noble metal	tin	7440-31-5	0.079	0.00		39		
	non noble metal	lead	7439-92-1	3.779	0.19	0.19	1856	1944	
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	28.96	29.00	289578	289955	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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