



Material Content Data Sheet



Sales Product Name	IPP22N03S4L-15			Issued		29. August 2013		
MA#	MA000858710							
Package	PG-TO220-3-1			Weight*		2032.44 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	0.562	0.03	0.03	276	276
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.11	40.16	401158	401682
wire	non noble metal	aluminium	7429-90-5	0.740	0.04	0.04	364	364
encapsulation	organic material	carbon black	1333-86-4	9.029	0.44		4443	
	plastics	epoxy resin	-	99.321	4.89		48868	
	inorganic material	silicondioxide	60676-86-0	493.596	24.29	29.62	242859	296170
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10560	10560
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	non noble metal	lead	7439-92-1	0.821	0.04		404	
	noble metal	silver	7440-22-4	0.021	0.00		11	
	non noble metal	tin	7440-31-5	0.017	0.00	0.04	8	423
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	29.00	29.04	290028	290405
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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