



Material Content Data Sheet



Sales Product Name		IGP15N60T		Issued		29. August 2013		
MA#		MA001072458						
Package		PG-TO220-3-1		Weight*		2029.69 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	1.315	0.06	0.06	648	648
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	40.18	40.23	401704	402228
wire	non noble metal	aluminium	7429-90-5	1.380	0.07	0.07	680	680
encapsulation	organic material	carbon black	1333-86-4	5.975	0.29		2944	
	plastics	epoxy resin	-	113.526	5.59		55933	
	inorganic material	silicondioxide	60676-86-0	478.005	23.55	29.43	235507	294384
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10574	10574
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	antimony	7440-36-0	0.115	0.01		57	
	noble metal	silver	7440-22-4	0.287	0.01		141	
	non noble metal	tin	7440-31-5	0.747	0.04	0.06	368	566
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.04	29.08	290422	290800
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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