



Material Content Data Sheet



Sales Product Name		SGP07N120		Issued		29. August 2013		
MA#		MA000723214						
Package		PG-TO220-3-1		Weight*		2032.21 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	6.589	0.32	0.32	3242	3242
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	40.12	40.17	401207	401731
wire	non noble metal	aluminium	7429-90-5	1.348	0.07	0.07	663	663
encapsulation	organic material	carbon black	1333-86-4	5.927	0.29		2916	
	plastics	epoxy resin	-	112.607	5.54		55411	
	inorganic material	silicondioxide	60676-86-0	474.134	23.33	29.16	233310	291637
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10561	10561
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	0.326	0.02		161	
	noble metal	silver	7440-22-4	0.816	0.04		402	
	non noble metal	tin	7440-31-5	2.122	0.10	0.16	1044	1607
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290062	290439
*deviation	< 10%					Sum in total:	100,00	1000000

Important Remarks:

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