



Material Content Data Sheet



Sales Product Name	SGP06N60			Issued		29. August 2013		
MA#	MA000694868							
Package	PG-TO220-3-1			Weight*		2029.65 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	1.575	0.08	0.08	776	776
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	40.17	40.22	401712	402236
wire	non noble metal	aluminium	7429-90-5	0.780	0.04	0.04	384	384
encapsulation	organic material	carbon black	1333-86-4	5.978	0.29		2945	
	plastics	epoxy resin	-	113.587	5.60		55964	
	inorganic material	silicondioxide	60676-86-0	478.263	23.56	29.45	235639	294548
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	0.113	0.01		56	
	noble metal	silver	7440-22-4	0.282	0.01		139	
	non noble metal	tin	7440-31-5	0.733	0.04	0.06	361	556
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	290428	290806
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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