



Material Content Data Sheet



Sales Product Name		SGP15N120		Issued		29. August 2013		
MA#		MA000694908						
Package		PG-TO220-3-1		Weight*		2034.03 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	10.547	0.52	0.52	5185	5185
leadframe	inorganic material	phosphorus	7723-14-0	0.422	0.02		207	
	non noble metal	iron	7439-89-6	1.407	0.07		692	
	non noble metal	copper	7440-50-8	1404.801	69.07	69.16	690650	691549
	non noble metal	aluminium	7429-90-5	2.944	0.14	0.14	1448	1448
wire	non noble metal	aluminium	7429-90-5	2.944	0.14	0.14	1448	1448
encapsulation	organic material	carbon black	1333-86-4	5.877	0.29		2889	
	plastics	epoxy resin	-	111.659	5.49		54895	
	inorganic material	silicondioxide	60676-86-0	470.143	23.11	28.89	231139	288923
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10552	10552
solder	non noble metal	antimony	7440-36-0	0.477	0.02		234	
	noble metal	silver	7440-22-4	1.192	0.06		586	
	non noble metal	tin	7440-31-5	3.099	0.15	0.23	1523	2343
*deviation	< 10%					Sum in total:	100,00	1000000

Important Remarks:

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