

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SGP07N120	**Issued**	24. February 2022
MA#	MA005700966		
Package	PG-TO220-3-1	**Weight***	2032.93 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	7.418	0.36	0.36	3649	3649
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.11	40.16	401063	401585
wire	non noble metal	aluminium	7429-90-5	1.677	0.08	0.08	825	825
encapsulation	organic material	carbon black	1333-86-4	5.919	0.29		2912	
	plastics	epoxy resin	-	112.462	5.53		55320	
	inorganic material	silicondioxide	60676-86-0	473.523	23.29	29.11	232926	291158
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10557	10557
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.360	0.02		177	
	noble metal	silver	7440-22-4	0.899	0.04		442	
	non noble metal	tin	7440-31-5	2.338	0.12	0.18	1150	1769
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	289959	290336
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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