



Material Content Data Sheet



Sales Product Name		SGW25N120		Issued		20. July 2018		
MA#		MA000597470						
Package		PG-TO247-3-41		Weight*		6053.31 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	19.631	0.32	0.32	3243	3243
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87402	87516
wire	non noble metal	aluminium	7429-90-5	3.362	0.06	0.06	555	555
encapsulation	organic material	carbon black	1333-86-4	19.894	0.33		3286	
	plastics	epoxy resin	-	377.983	6.24		62442	
	inorganic material	silicondioxide	60676-86-0	1591.509	26.29	32.86	262916	328644
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.775	0.01		128	
	noble metal	silver	7440-22-4	1.938	0.03		320	
	non noble metal	tin	7440-31-5	5.038	0.08	0.12	832	1280
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.80	56.88	567955	568695
*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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