



Material Content Data Sheet



Sales Product Name		SGB15N120		Issued		25. September 2017		
MA#		MA000600078						
Package		PG-TO263-3-2		Weight*		1563.54 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	11.873	0.76	0.76	7594	7594
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	iron	7439-89-6	0.304	0.02		195	
	non noble metal	copper	7440-50-8	304.026	19.44	19.47	194446	194699
	non noble metal	aluminium	7429-90-5	2.667	0.17	0.17	1706	1706
wire	non noble metal	aluminium	7429-90-5	2.667	0.17	0.17	1706	1706
encapsulation	organic material	carbon black	1333-86-4	10.183	0.65		6513	
	plastics	epoxy resin	-	112.017	7.16		71643	
	inorganic material	silicondioxide	60676-86-0	556.690	35.61	43.42	356043	434199
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6176	6176
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	146	147
solder	non noble metal	tin	7440-31-5	0.149	0.01		95	
	noble metal	silver	7440-22-4	0.186	0.01		119	
	non noble metal	lead	7439-92-1	7.093	0.45	0.47	4537	4751
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		351	
	non noble metal	copper	7440-50-8	547.666	35.03	35.08	350272	350728
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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