



Material Content Data Sheet



Sales Product Name		SPP11N80C3		Issued		19. July 2018		
MA#		MA000990710						
Package		PG-TO220-3-123		Weight*		2031.63 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	9.366	0.46	0.46	4610	4610
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	40.14	40.19	401319	401842
wire	non noble metal	aluminium	7429-90-5	25.614	1.26	1.26	12608	12608
encapsulation	organic material	carbon black	1333-86-4	2.250	0.11		1107	
	plastics	epoxy resin	-	65.236	3.21		32110	
	inorganic material	silicondioxide	60676-86-0	494.890	24.36	27.68	243592	276809
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10564	10564
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868
solder	non noble metal	antimony	7440-36-0	0.442	0.02		218	
	noble metal	silver	7440-22-4	1.105	0.05		544	
	non noble metal	tin	7440-31-5	2.874	0.14	0.21	1415	2177
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	29.01	29.05	290144	290522
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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 does not use any exemption

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