



Material Content Data Sheet



Sales Product Name		SPP11N80C3		Issued		12. February 2016		
MA#		MA000729682						
Package		PG-TO220-3-123		Weight*		2031.92 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	40.13	40.18	401263	401786
wire	non noble metal	aluminium	7429-90-5	25.614	1.26	1.26	12606	12606
encapsulation	organic material	carbon black	1333-86-4	2.250	0.11		1107	
	plastics	epoxy resin	-	65.236	3.21		32105	
	inorganic material	silicondioxide	60676-86-0	494.890	24.36	27.68	243557	276769
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10695	10695
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	879	879
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	1414	2176
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290102	290479
*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 2011/65/EU (RoHS) and does not use any exemption.

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