



Material Content Data Sheet



Sales Product Name		SPP17N80C3		Issued		20. July 2018		
MA#		MA001001636						
Package		PG-TO220-3-1		Weight*		2038.10 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	12.969	0.64	0.64	6363	6363
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.01	40.06	400046	400568
wire	non noble metal	aluminium	7429-90-5	27.582	1.35	1.35	13533	13533
encapsulation	organic material	carbon black	1333-86-4	5.636	0.28		2765	
	plastics	epoxy resin	-	107.090	5.25		52544	
	inorganic material	silicondioxide	60676-86-0	450.904	22.12	27.65	221238	276547
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10531	10531
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120
solder	non noble metal	antimony	7440-36-0	0.558	0.03		274	
	noble metal	silver	7440-22-4	1.395	0.07		684	
	non noble metal	tin	7440-31-5	3.626	0.18	0.28	1779	2737
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	28.92	28.96	289224	289601
*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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