



Material Content Data Sheet



Sales Product Name		SPP17N80C3		Issued		20. July 2018		
MA#		MA001114474						
Package		PG-TO220-3-123		Weight*		2033.20 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	6379	6379
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	40.09	40.14	401011	401533
wire	non noble metal	aluminium	7429-90-5	25.820	1.27	1.27	12699	12699
encapsulation	organic material	carbon black	1333-86-4	2.236	0.11		1100	
	plastics	epoxy resin	-	64.841	3.19		31891	
	inorganic material	silicondioxide	60676-86-0	491.896	24.19	27.49	241931	274922
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10556	10556
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	867	867
solder	non noble metal	antimony	7440-36-0	0.559	0.03		275	
	noble metal	silver	7440-22-4	1.396	0.07		687	
	non noble metal	tin	7440-31-5	3.630	0.18	0.28	1786	2748
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	28.99	29.03	289919	290296
*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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