



Material Content Data Sheet



Sales Product Name		SPP17N80C3		Issued		1. August 2018		
MA#		MA001924808						
Package		PG-TO220-3-123		Weight*		2030.31 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	6388	6388
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.15	40.20	401581	402104
	non noble metal	aluminium	7429-90-5	2.569	0.13	0.13	1265	1265
wire	non noble metal	aluminium	7429-90-5	2.569	0.13	0.13	1265	1265
encapsulation	organic material	carbon black	1333-86-4	2.317	0.11		1141	
	plastics	epoxy resin	-	67.203	3.31		33100	
	inorganic material	silicondioxide	60676-86-0	509.812	25.11	28.53	251100	285341
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10571	10571
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.559	0.03		275	
	noble metal	silver	7440-22-4	1.396	0.07		688	
	non noble metal	tin	7440-31-5	3.630	0.18	0.28	1788	2751
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.03	29.07	290333	290711
*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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