



Material Content Data Sheet



Sales Product Name		SPP06N80C3		Issued		25. September 2017		
MA#		MA001503276						
Package		PG-TO220-3-123		Weight*		2027.27 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	4.945	0.24	0.24	2439	2439
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.22	40.27	402184	402708
wire	non noble metal	aluminium	7429-90-5	7.077	0.35	0.35	3491	3491
encapsulation	organic material	carbon black	1333-86-4	2.330	0.12		1150	
	plastics	epoxy resin	-	67.583	3.33		33337	
	inorganic material	silicondioxide	60676-86-0	512.696	25.29	28.74	252900	287387
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10587	10587
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.278	0.01		137	
	noble metal	silver	7440-22-4	0.696	0.03		343	
	non noble metal	tin	7440-31-5	1.809	0.09	0.13	892	1372
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	29.08	29.12	290768	291146
*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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