



Material Content Data Sheet



Sales Product Name		SPA06N80C3		Issued		12. February 2016		
MA#		MA000691774						
Package		PG-TO220-3-121		Weight*		2245.20 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	4.945	0.22	0.22	2202	2202
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.56	30.60	305639	306037
wire	non noble metal	aluminium	7429-90-5	6.935	0.31	0.31	3089	3089
encapsulation	organic material	carbon black	1333-86-4	2.239	0.10		997	
	plastics	epoxy resin	-	207.616	9.25		92471	
	inorganic material	silicondioxide	60676-86-0	892.546	39.75	49.10	397535	491004
leadfinish	non noble metal	tin	7440-31-5	8.041	0.36	0.36	3581	3581
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136
solder	non noble metal	antimony	7440-36-0	0.278	0.01		124	
	noble metal	silver	7440-22-4	0.696	0.03		310	
	non noble metal	tin	7440-31-5	1.809	0.08	0.12	806	1240
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.25	19.28	192460	192711
*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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