



Material Content Data Sheet



Sales Product Name		SPA06N80C3		Issued		25. September 2017		
MA#		MA000452864						
Package		PG-TO220-3-111		Weight*		2245.29 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	305627	306025
wire	non noble metal	aluminium	7429-90-5	7.126	0.32	0.32	3174	3174
encapsulation	organic material	carbon black	1333-86-4	2.239	0.10		997	
	plastics	epoxy resin	-	207.616	9.25		92467	
	inorganic material	silicondioxide	60676-86-0	892.546	39.75	49.10	397518	490983
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3537	3537
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	192452	192703
*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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