



Material Content Data Sheet



Sales Product Name		SPA20N60C3		Issued		23. May 2016			
MA#		MA001500116							
Package		PG-TO220-3-317		Weight*		2135.36 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	12.312	0.58	0.58	5766	5766	
leadframe	non noble metal	iron	7439-89-6	1.202	0.06		563		
	inorganic material	phosphorus	7723-14-0	0.361	0.02		169		
	non noble metal	copper	7440-50-8	1200.685	56.23	56.31	562286	563018	
wire	non noble metal	aluminium	7429-90-5	30.396	1.42	1.42	14235	14235	
encapsulation	organic material	carbon black	1333-86-4	8.648	0.40		4050		
	plastics	epoxy resin	-	141.824	6.64		66417		
	inorganic material	silicondioxide	60676-86-0	726.671	34.03	41.07	340303	410770	
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3694	3694	
solder	non noble metal	antimony	7440-36-0	0.537	0.03		252		
	noble metal	silver	7440-22-4	1.344	0.06		629		
	non noble metal	tin	7440-31-5	3.493	0.16	0.25	1636	2517	
*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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