



Material Content Data Sheet



Sales Product Name		SPW21N50C3		Issued		1. August 2018		
MA#		MA001062104						
Package		PG-TO247-3-41		Weight*		6050.18 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	11.919	0.20	0.20	1970	1970
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87447	87561
	non noble metal	aluminium	7429-90-5	4.418	0.07	0.07	730	730
wire	non noble metal	aluminium	7429-90-5	4.418	0.07	0.07	730	730
encapsulation	organic material	carbon black	1333-86-4	19.954	0.33		3298	
	plastics	epoxy resin	-	379.131	6.27		62664	
	inorganic material	silicondioxide	60676-86-0	1596.340	26.38	32.98	263850	329812
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.524	0.01		87	
	noble metal	silver	7440-22-4	1.310	0.02		217	
	non noble metal	tin	7440-31-5	3.406	0.06	0.09	563	867
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.82	56.90	568248	568988
*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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