



Material Content Data Sheet



Sales Product Name		SPW16N50C3		Issued		1. August 2018		
MA#		MA001061836						
Package		PG-TO247-3-41		Weight*		6048.58 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	8.240	0.14	0.14	1362	1362
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87470	87584
wire	non noble metal	aluminium	7429-90-5	4.393	0.07	0.07	726	726
encapsulation	organic material	carbon black	1333-86-4	19.988	0.33		3305	
	plastics	epoxy resin	-	379.770	6.28		62787	
	inorganic material	silicondioxide	60676-86-0	1599.030	26.44	33.05	264364	330456
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.399	0.01		66	
	noble metal	silver	7440-22-4	0.996	0.02		165	
	non noble metal	tin	7440-31-5	2.591	0.04	0.07	428	659
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.82	56.90	568398	569138
*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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