



Material Content Data Sheet



Sales Product Name		SPW47N60C3		Issued		20. July 2018		
MA#		MA000976116						
Package		PG-TO247-3-44		Weight*		6067.84 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	30.768	0.51	0.51	5071	5071
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.72	8.73	87192	87305
wire	non noble metal	aluminium	7429-90-5	83.858	1.38	1.38	13820	13820
encapsulation	organic material	carbon black	1333-86-4	19.082	0.31		3145	
	plastics	epoxy resin	-	362.550	5.98		59750	
	inorganic material	silicondioxide	60676-86-0	1526.528	25.16	31.45	251577	314472
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5319	5319
plating	non noble metal	nickel	7440-02-0	29.428	0.48	0.48	4850	4850
solder	non noble metal	antimony	7440-36-0	1.111	0.02		183	
	noble metal	silver	7440-22-4	2.778	0.05		458	
	non noble metal	tin	7440-31-5	7.222	0.12	0.19	1190	1831
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		567	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.65	56.73	566595	567332
*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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