



Material Content Data Sheet



Sales Product Name		SPW47N60CFD		Issued		20. July 2018		
MA#		MA000363362						
Package		PG-TO247-3-41		Weight*		6070.33 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	35.052	0.58	0.58	5774	5774
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	87156	87269
wire	non noble metal	aluminium	7429-90-5	90.765	1.50	1.50	14952	14952
encapsulation	organic material	carbon black	1333-86-4	18.982	0.31		3127	
	plastics	epoxy resin	-	360.660	5.94		59414	
	inorganic material	silicondioxide	60676-86-0	1518.569	25.02	31.27	250163	312704
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5316	5316
plating	non noble metal	nickel	7440-02-0	29.428	0.48	0.48	4848	4848
solder	non noble metal	antimony	7440-36-0	1.236	0.02		204	
	noble metal	silver	7440-22-4	3.090	0.05		509	
	non noble metal	tin	7440-31-5	8.034	0.13	0.20	1324	2037
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		567	
	non noble metal	copper	7440-50-8	3438.006	56.63	56.71	566363	567100
*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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