



Material Content Data Sheet



Sales Product Name		SPW35N60CFD		Issued		25. September 2017		
MA#		MA000363361						
Package		PG-TO247-3-41		Weight*		6060.29 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	23.680	0.39	0.39	3907	3907
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	8.73	8.74	87301	87414
wire	non noble metal	aluminium	7429-90-5	43.578	0.72	0.72	7191	7191
encapsulation	organic material	carbon black	1333-86-4	19.502	0.32		3218	
	plastics	epoxy resin	-	370.535	6.11		61142	
	inorganic material	silicondioxide	60676-86-0	1560.147	25.74	32.17	257438	321798
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5325	5325
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4856	4856
solder	non noble metal	antimony	7440-36-0	0.891	0.01		147	
	noble metal	silver	7440-22-4	2.226	0.04		367	
	non noble metal	tin	7440-31-5	5.788	0.10	0.15	955	1469
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.73	56.81	567302	568040
*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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