



Material Content Data Sheet



Sales Product Name		SPW24N60CFD		Issued		19. July 2018		
MA#		MA001214278						
Package		PG-TO247-3-41		Weight*		6051.76 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	15.501	0.26	0.26	2561	2561
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	8.74	8.75	87424	87538
wire	non noble metal	aluminium	7429-90-5	4.528	0.07	0.07	748	748
encapsulation	organic material	carbon black	1333-86-4	19.921	0.33		3292	
	plastics	epoxy resin	-	378.494	6.25		62543	
	inorganic material	silicondioxide	60676-86-0	1593.657	26.33	32.91	263337	329172
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.648	0.01		107	
	noble metal	silver	7440-22-4	1.619	0.03		268	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	696	1071
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	56.81	56.89	568100	568840
*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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