



Material Content Data Sheet



Sales Product Name		SPW17N80C3		Issued		20. July 2018		
MA#		MA001504050						
Package		PG-TO247-3-44		Weight*		6054.91 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	12.969	0.21	0.21	2142	2142
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	8.74	8.75	87378	87491
wire	non noble metal	aluminium	7429-90-5	41.625	0.69	0.69	6875	6875
encapsulation	organic material	carbon black	1333-86-4	19.616	0.32		3240	
	plastics	epoxy resin	-	372.696	6.16		61553	
	inorganic material	silicondioxide	60676-86-0	1569.245	25.92	32.40	259169	323962
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.558	0.01		92	
	noble metal	silver	7440-22-4	1.395	0.02		230	
	non noble metal	tin	7440-31-5	3.626	0.06	0.09	599	921
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	56.77	56.85	567805	568545
*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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