



Material Content Data Sheet



Sales Product Name		SPW11N60C3		Issued		27. May 2016		
MA#		MA001060012						
Package		PG-TO247-3-44		Weight*		6048.80 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	7.017	0.12	0.12	1160	1160
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	8.75	8.76	87467	87581
wire	non noble metal	aluminium	7429-90-5	11.115	0.18	0.18	1838	1838
encapsulation	organic material	carbon black	1333-86-4	19.940	0.33		3296	
	plastics	epoxy resin	-	378.852	6.26		62633	
	inorganic material	silicondioxide	60676-86-0	1595.167	26.37	32.96	263716	329645
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.353	0.01		58	
	noble metal	silver	7440-22-4	0.883	0.01		146	
	non noble metal	tin	7440-31-5	2.296	0.04	0.06	380	584
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	56.83	56.91	568377	569117
*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 2011/65/EU (RoHS) and does not use any exemption.

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