



Material Content Data Sheet



Sales Product Name		SPW15N60C3		Issued		15. November 2016		
MA#		MA001056038						
Package		PG-TO247-3-44		Weight*		6053.40 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	9.195	0.15	0.15	1519	1519
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	87400	87514
wire	non noble metal	aluminium	7429-90-5	42.559	0.70	0.70	7031	7031
encapsulation	organic material	carbon black	1333-86-4	19.642	0.32		3245	
	plastics	epoxy resin	-	373.189	6.16		61649	
	inorganic material	silicondioxide	60676-86-0	1571.320	25.96	32.44	259576	324470
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.432	0.01		71	
	noble metal	silver	7440-22-4	1.080	0.02		178	
	non noble metal	tin	7440-31-5	2.807	0.05	0.08	464	713
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	56.79	56.87	567946	568686
*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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