

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPW52N50C3	**Issued**	28. October 2019
MA#	MA000364066		
Package	PG-TO247-3-41	**Weight***	6062.33 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	35.052	0.58	0.58	5782	5782
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87272	87385
wire	non noble metal	aluminium	7429-90-5	11.247	0.19	0.19	1855	1855
encapsulation	organic material	carbon black	1333-86-4	19.705	0.32		3250	
	plastics	epoxy resin	-	374.393	6.18		61757	
	inorganic material	silicondioxide	60676-86-0	1576.391	26.00	32.50	260031	325038
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5258	5258
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4794	4794
solder	non noble metal	antimony	7440-36-0	1.236	0.02		204	
	noble metal	silver	7440-22-4	3.090	0.05		510	
	non noble metal	tin	7440-31-5	8.034	0.13	0.20	1325	2039
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	56.70	56.78	567111	567849
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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