



Material Content Data Sheet



Halogen-Free

Sales Product Name SPW47N65C3

Issued

09. February 2022

MA# MA005617856

Package PG-TO247-3-41

Weight*

6061.41 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	32.907	0.54	0.54	5429	5429
leadframe	inorganic material	phosphorus	7723-14-0	0.159			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	87285	87398
wire	non noble metal	aluminium	7429-90-5	10.899	0.18	0.18	1798	1798
encapsulation	organic material	carbon black	1333-86-4	19.727	0.33		3255	
	plastics	epoxy resin	-	374.811	6.18		61836	
	inorganic material	silicondioxide	60676-86-0	1,578.151	26.04	32.55	260360	325451
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5259	5259
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4795	4795
solder	non noble metal	antimony	7440-36-0	1.174	0.02		194	
	noble metal	silver	7440-22-4	2.934	0.05		484	
	non noble metal	tin	7440-31-5	7.629	0.13	0.20	1259	1937
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	3,438.006	56.70	56.78	567195	567933
*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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