

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPW20N60C3	**Issued**	31. March 2021
MA#	MA001097634		
Package	PG-TO247-3-41	**Weight***	6051.35 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	12.312	0.20	0.20	2035	2035
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87430	87544
wire	non noble metal	aluminium	7429-90-5	5.359	0.09	0.09	886	886
encapsulation	organic material	carbon black	1333-86-4	19.951	0.33		3297	
	plastics	epoxy resin	-	379.074	6.26		62643	
	inorganic material	silicondioxide	60676-86-0	1,596.103	26.38	32.97	263760	329700
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.537	0.01		89	
	noble metal	silver	7440-22-4	1.342	0.02		222	
	non noble metal	tin	7440-31-5	3.489	0.06	0.09	577	888
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.81	56.89	568137	568877
*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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