



Material Content Data Sheet



Halogen-Free

Sales Product Name SPW11N80C3

Issued

14. February 2022

MA# MA005619408

Package PG-TO247-3-41

Weight*

6050.15 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	9.366	0.15	0.15	1548	1548
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	87447	87561
wire	non noble metal	aluminium	7429-90-5	5.363	0.09	0.09	886	886
encapsulation	organic material	carbon black	1333-86-4	19.978	0.33		3302	
	plastics	epoxy resin	-	379.587	6.27		62740	
	inorganic material	silicondioxide	60676-86-0	1,598.262	26.42	33.02	264170	330212
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4804	4804
solder	non noble metal	antimony	7440-36-0	0.442	0.01		73	
	noble metal	silver	7440-22-4	1.104	0.02		182	
	non noble metal	tin	7440-31-5	2.870	0.05	0.08	474	729
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	56.82	56.90	568252	568992
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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