



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPA08N80C3	Issued	25. June 2021
MA#	MA005558800		
Package	PG-TO220-3-317	Weight*	2104.54 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	6.828	0.32	0.32	3244	3244
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1,200.685	57.05	57.13	570524	571266
wire	non noble metal	aluminium	7429-90-5	3.702	0.18	0.18	1759	1759
encapsulation	organic material	carbon black	1333-86-4	8.724	0.41		4145	
	plastics	epoxy resin	-	141.820	6.74		67388	
	inorganic material	silicondioxide	60676-86-0	729.824	34.68	41.83	346787	418320
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3748	3748
solder	non noble metal	antimony	7440-36-0	0.350	0.02		166	
	noble metal	silver	7440-22-4	0.875	0.04		416	
	non noble metal	tin	7440-31-5	2.276	0.11	0.17	1081	1663
*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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