

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPP07N60C3	**Issued**	16. May 2021
MA#	MA005405644		
Package	PG-TO220-3-123	**Weight***	2035.75 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	4.883	0.24	0.24	2398	2398
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.04	40.09	400508	401029
wire	non noble metal	aluminium	7429-90-5	0.719	0.04	0.04	353	353
encapsulation	organic material	carbon black	1333-86-4	2.988	0.15		1468	
	miscellaneous	miscellaneous	-	2.988	0.15		1468	
	organic material	phenol formaldehyde resin	9003-35-4	35.852	1.76		17611	
	inorganic material	silicondioxide	14808-60-7	47.803	2.35		23482	
	non noble metal	metal hydroxide	-	47.803	2.35		23482	
	plastics	epoxy resin	29690-82-2	71.704	3.52		35222	
	inorganic material	silicondioxide	60676-86-0	388.396	19.08	29.36	190787	293520
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10543	10543
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	866	866
solder	non noble metal	antimony	7440-36-0	0.276	0.01		136	
	noble metal	silver	7440-22-4	0.691	0.03		339	
	non noble metal	tin	7440-31-5	1.796	0.09	0.13	882	1357
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.96	29.00	289557	289934
*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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