



Material Content Data Sheet



Halogen-Free

Sales Product Name IPA126N10N3 G

Issued

09. February 2022

MA# MA005618843

Package PG-TO220-3-313

Weight*

2208.31 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	3.094	0.14	0.14	1401	1401
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.85	40.90	408523	409055
wire	non noble metal	aluminium	7429-90-5	8.362	0.38	0.38	3787	3787
encapsulation	organic material	carbon black	1333-86-4	2.301	0.10		1042	
	plastics	epoxy resin	-	214.022	9.69		96916	
	inorganic material	silicondioxide	60676-86-0	920.557	41.69	51.48	416860	514818
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.206	0.01		93	
	noble metal	silver	7440-22-4	0.515	0.02		233	
	non noble metal	tin	7440-31-5	1.338	0.06	0.09	606	932
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65604	65690
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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