



Material Content Data Sheet



Halogen-Free

Sales Product Name IPA100N08N3 G

Issued

09. February 2022

MA# MA005618831

Package PG-TO220-3-313

Weight*

2208.53 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	2.461	0.11	0.11	1114	1114
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	408485	409017
wire	non noble metal	aluminium	7429-90-5	8.362	0.38	0.38	3786	3786
encapsulation	organic material	carbon black	1333-86-4	2.298	0.10		1040	
	plastics	epoxy resin	-	214.210	9.70		96992	
	inorganic material	silicondioxide	60676-86-0	921.684	41.72	51.52	417330	515362
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	0.159	0.01		72	
	noble metal	silver	7440-22-4	0.398	0.02		180	
	non noble metal	tin	7440-31-5	1.035	0.05	0.08	468	720
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	65598	65684
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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