



Material Content Data Sheet



Halogen-Free

Sales Product Name IPA037N08N3 G

Issued

09. February 2022

MA# MA005618739

Package PG-TO220-3-313

Weight*

2205.81 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	7.048	0.32	0.32	3195	3195
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.90	40.95	408988	409521
wire	non noble metal	aluminium	7429-90-5	12.263	0.56	0.56	5560	5560
encapsulation	organic material	carbon black	1333-86-4	2.319	0.11		1051	
	plastics	epoxy resin	-	212.245	9.62		96221	
	inorganic material	silicondioxide	60676-86-0	910.498	41.26	50.99	412773	510045
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3571	3571
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.352	0.02		159	
	noble metal	silver	7440-22-4	0.879	0.04		398	
	non noble metal	tin	7440-31-5	2.285	0.10	0.16	1036	1593
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	6.57	6.58	65678	65764
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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