



Material Content Data Sheet



Halogen-Free

Sales Product Name IPA037N08N3 G

Issued

09. February 2022

MA# MA005618381

Package PG-TO220-3-253

Weight*

2137.38 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	0.33	0.33	3298	3298
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		669	
	non noble metal	copper	7440-50-8	1,428.770	66.85	66.94	668468	669338
wire	non noble metal	aluminium	7429-90-5	12.606	0.59	0.59	5898	5898
encapsulation	organic material	carbon black	1333-86-4	3.302	0.15		1545	
	plastics	epoxy resin	-	128.769	6.02		60246	
	inorganic material	silicondioxide	60676-86-0	528.284	24.72	30.89	247165	308956
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10041	10041
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	825	825
solder	non noble metal	antimony	7440-36-0	0.352	0.02		164	
	noble metal	silver	7440-22-4	0.879	0.04		411	
	non noble metal	tin	7440-31-5	2.285	0.11	0.17	1069	1644
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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