



Material Content Data Sheet



Halogen-Free

Sales Product Name IPA65R065C7

Issued

09. February 2022

MA# MA005618225

Package PG-TO220-3-253

Weight*

2137.69 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	10.944	0.51	0.51	5120	5120
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	668369	669239
wire	non noble metal	aluminium	7429-90-5	7.436	0.35	0.35	3479	3479
encapsulation	organic material	carbon black	1333-86-4	3.302	0.15		1545	
	plastics	epoxy resin	-	128.793	6.02		60248	
	inorganic material	silicondioxide	60676-86-0	528.380	24.72	30.89	247173	308966
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10040	10040
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	825	825
solder	non noble metal	antimony	7440-36-0	0.498	0.02		233	
	noble metal	silver	7440-22-4	1.246	0.06		583	
	non noble metal	tin	7440-31-5	3.239	0.15	0.23	1515	2331
*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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