



Material Content Data Sheet



Halogen-Free

Sales Product Name IPA65R380E6

Issued

09. February 2022

MA# MA005618081

Package PG-TO220-3-253

Weight*

2134.52 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	4.901	0.23	0.23	2296	2296
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.93	67.02	669363	670234
wire	non noble metal	aluminium	7429-90-5	0.996	0.05	0.05	467	467
encapsulation	organic material	carbon black	1333-86-4	3.360	0.16		1574	
	plastics	epoxy resin	-	131.040	6.14		61391	
	inorganic material	silicondioxide	60676-86-0	537.601	25.19	31.49	251860	314825
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10055	10055
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.277	0.01		130	
	noble metal	silver	7440-22-4	0.692	0.03		324	
	non noble metal	tin	7440-31-5	1.799	0.08	0.12	843	1297
*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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