



Material Content Data Sheet



Halogen-Free

Sales Product Name IPZ65R095C7

Issued

14. February 2022

MA# MA005621382

Package PG-TO247-4-1

Weight*

6165.21 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	7.800	0.13	0.13	1265	1265
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	iron	7439-89-6	2.890	0.05		469	
	non noble metal	copper	7440-50-8	2,885.760	46.78	46.84	468070	468680
wire	non noble metal	aluminium	7429-90-5	4.190	0.07	0.07	680	680
encapsulation	organic material	carbon black	1333-86-4	20.103	0.33		3261	
	plastics	epoxy resin	-	381.958	6.20		61954	
	inorganic material	silicondioxide	60676-86-0	1,608.244	26.09	32.62	260857	326072
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3745	3745
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	316	316
solder	non noble metal	antimony	7440-36-0	0.385	0.01		63	
	noble metal	silver	7440-22-4	0.963	0.02		156	
	non noble metal	tin	7440-31-5	2.505	0.04	0.07	406	625
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		199	
	non noble metal	copper	7440-50-8	1,222.919	19.84	19.87	198358	198617
*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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