



Material Content Data Sheet



Halogen-Free

Sales Product Name IPZ65R065C7

Issued

09. February 2022

MA# MA005618198

Package PG-TO247-4-1

Weight*

6167.77 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	0.18	0.18	1774	1774
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	iron	7439-89-6	2.890	0.05		468	
	non noble metal	copper	7440-50-8	2,885.760	46.79	46.85	467877	468486
wire	non noble metal	aluminium	7429-90-5	8.212	0.13	0.13	1331	1331
encapsulation	organic material	carbon black	1333-86-4	20.046	0.32		3250	
	plastics	epoxy resin	-	380.869	6.18		61752	
	inorganic material	silicondioxide	60676-86-0	1,603.661	26.00	32.50	260006	325008
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3743	3743
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.498	0.01		81	
	noble metal	silver	7440-22-4	1.246	0.02		202	
	non noble metal	tin	7440-31-5	3.239	0.05	0.08	525	808
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	19.83	19.86	198276	198535
*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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