



Material Content Data Sheet



Halogen-Free

Sales Product Name IPZ60R040C7

Issued

30. March 2021

MA# MA001302030

Package PG-TO247-4-1

Weight*

6170.80 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	15.501	0.25	0.25	2512	2512
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	iron	7439-89-6	2.890	0.05		468	
	non noble metal	copper	7440-50-8	2,885.760	46.77	46.83	467648	468256
wire	non noble metal	aluminium	7429-90-5	12.018	0.19	0.19	1948	1948
encapsulation	organic material	carbon black	1333-86-4	19.977	0.32		3237	
	plastics	epoxy resin	-	379.572	6.15		61511	
	inorganic material	silicondioxide	60676-86-0	1,598.197	25.90	32.37	258994	323742
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3741	3741
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.648	0.01		105	
	noble metal	silver	7440-22-4	1.619	0.03		262	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	682	1049
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1,222.919	19.82	19.85	198179	198437
*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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