



Material Content Data Sheet



Halogen-Free

Sales Product Name IPZ65R045C7

Issued

14. February 2022

MA# MA005621289

Package PG-TO247-4-1

Weight*

6170.83 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	46.76	46.82	467646	468254
wire	non noble metal	aluminium	7429-90-5	12.128	0.20	0.20	1965	1965
encapsulation	organic material	carbon black	1333-86-4	19.977	0.32		3237	
	plastics	epoxy resin	-	379.557	6.15		61508	
	inorganic material	silicondioxide	60676-86-0	1,598.134	25.90	32.37	258983	323728
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	198178	198436
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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