



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** IPZ65R045C7

**Issued**

09. February 2022

**MA#** MA005618357

**Package** PG-TO247-4-1

**Weight\***

6170.76 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	467652	468260
wire	non noble metal	aluminium	7429-90-5	11.868	0.19	0.19	1923	1923
encapsulation	organic material	carbon black	1333-86-4	19.979	0.32		3238	
	plastics	epoxy resin	-	379.592	6.15		61515	
	inorganic material	silicondioxide	60676-86-0	1,598.283	25.90	32.37	259009	323762
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	198180	198438
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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