



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IMZ120R030M1H	<b>Issued</b>	17. February 2022
<b>MA#</b>	MA005620471		
<b>Package</b>	PG-TO247-4-1	<b>Weight*</b>	6164.48 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	4.941	0.08	0.08	802	802
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	46.81	46.87	468127	468737
wire	non noble metal	aluminium	7429-90-5	4.154	0.07	0.07	674	674
encapsulation	organic material	carbon black	1333-86-4	20.142	0.33		3267	
	plastics	epoxy resin	-	382.705	6.21		62082	
	inorganic material	silicondioxide	60676-86-0	1,611.389	26.14	32.68	261398	326747
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	0.209			34	
	noble metal	silver	7440-22-4	0.523	0.01		85	
	non noble metal	tin	7440-31-5	1.359	0.02	0.03	220	339
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	198381	198640
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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