



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IMZ120R140M1H	<b>Issued</b>	17. February 2022
<b>MA#</b>	MA005620881		
<b>Package</b>	PG-TO247-4-1	<b>Weight*</b>	6161.40 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	1.434	0.02	0.02	233	233
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	46.84	46.90	468361	468971
wire	non noble metal	aluminium	7429-90-5	1.783	0.03	0.03	289	289
encapsulation	organic material	carbon black	1333-86-4	20.183	0.33		3276	
	plastics	epoxy resin	-	383.485	6.22		62240	
	inorganic material	silicondioxide	60676-86-0	1,614.674	26.21	32.76	262062	327578
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3747	3747
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	316	316
solder	non noble metal	antimony	7440-36-0	0.078			13	
	noble metal	silver	7440-22-4	0.196			32	
	non noble metal	tin	7440-31-5	0.508	0.01	0.01	82	127
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	19.85	19.88	198480	198739
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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