



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IMY120R018CM2H	<b>Issued</b>	26. January 2026
<b>MA#</b>	MA006130887		
<b>Package</b>	PG-TO247-4-19	<b>Weight*</b>	6833.92 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip_1	inorganic material	silicon	7440-21-3	7.015	0.103	0.103	1026	1026	
chip_2	inorganic material	siliconcarbide	409-21-2	5.307	0.078	0.078	776	776	
leadframe	inorganic material	phosphorus	7723-14-0	1.421	0.021	69.334	208	693338	
	non noble metal	iron	7439-89-6	4.738	0.069		693		
	non noble metal	copper	7440-50-8	4732.060	69.244		692437		
wire	non noble metal	aluminium	7429-90-5	21.884	0.320	0.320	3202	3202	
encapsulation	inorganic material	magnesium aluminum hydroxide carbonate	11097-59-9	6.053	0.089	29.522	886	295221	
	organic material	carbon black	1333-86-4	10.088	0.148		1476		
	miscellaneous	miscellaneous	-	44.385	0.649		6495		
	plastics	phenol resin	-	141.226	2.067		20665		
	plastics	epoxy resin	-	272.365	3.985		39855		
	inorganic material	silicondioxide	60676-86-0	1543.400	22.584		225844		
leadfinish	non noble metal	tin	7440-31-5	35.857	0.525	0.525	5247	5247	
plating	non noble metal	nickel	7440-02-0	1.952	0.029	0.029	286	286	
solder	non noble metal	antimony	7440-36-0	0.617	0.009	0.090	90	903	
	noble metal	silver	7440-22-4	1.543	0.023		226		
	non noble metal	tin	7440-31-5	4.012	0.059		587		
*deviation	< 10%					Sum in total:	100.000		1000000

### Important Remarks:

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