



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDP30E120	<b>Issued</b>	24. February 2022
<b>MA#</b>	MA005699859		
<b>Package</b>	PG-TO220-2-1	<b>Weight*</b>	1966.54 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	5.181	0.26	0.26	2635	2635
leadframe	inorganic material	phosphorus	7723-14-0	0.226	0.01		115	
	non noble metal	iron	7439-89-6	0.753	0.04		383	
	non noble metal	copper	7440-50-8	751.797	38.25	38.30	382293	382791
wire	non noble metal	aluminium	7429-90-5	3.315	0.17	0.17	1685	1685
encapsulation	organic material	carbon black	1333-86-4	5.976	0.30		3039	
	plastics	epoxy resin	-	113.550	5.77		57741	
	inorganic material	silicondioxide	60676-86-0	478.104	24.31	30.38	243119	303899
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7367	7367
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.198	0.01	0.01	101	102
solder	non noble metal	antimony	7440-36-0	0.272	0.01		138	
	noble metal	silver	7440-22-4	0.681	0.03		346	
	non noble metal	tin	7440-31-5	1.769	0.09	0.13	900	1384
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		90	
	non noble metal	iron	7439-89-6	0.590	0.03		300	
	non noble metal	copper	7440-50-8	589.466	29.97	30.01	299747	300137
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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