



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDP30E120	<b>Issued</b>	27. April 2022
<b>MA#</b>	MA005714181		
<b>Package</b>	PG-TO220-2-1	<b>Weight*</b>	1966.30 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	4.643	0.24	0.24	2361	2361
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	38.23	38.28	382339	382837
wire	non noble metal	aluminium	7429-90-5	3.279	0.17	0.17	1668	1668
encapsulation	organic material	carbon black	1333-86-4	5.981	0.30		3042	
	plastics	epoxy resin	-	113.647	5.78		57798	
	inorganic material	silicondioxide	60676-86-0	478.515	24.34	30.42	243359	304199
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	0.254	0.01		129	
	noble metal	silver	7440-22-4	0.635	0.03		323	
	non noble metal	tin	7440-31-5	1.650	0.08	0.12	839	1291
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	29.98	30.02	299785	300175
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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