

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDP30E120	**Issued**	27. April 2022
MA#	MA005714181		
Package	PG-TO220-2-1	**Weight***	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:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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