

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDP12E120	**Issued**	27. April 2022
MA#	MA005734957		
Package	PG-TO220-2-1	**Weight***	1964.75 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	2.617	0.13	0.13	1332	1332
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	38.27	38.32	382642	383140
wire	non noble metal	aluminium	7429-90-5	1.568	0.08	0.08	798	798
encapsulation	organic material	carbon black	1333-86-4	6.013	0.31		3060	
	plastics	epoxy resin	-	114.239	5.81		58144	
	inorganic material	silicondioxide	60676-86-0	481.006	24.48	30.60	244818	306022
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7373	7373
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	0.162	0.01		82	
	noble metal	silver	7440-22-4	0.404	0.02		206	
	non noble metal	tin	7440-31-5	1.050	0.05	0.08	534	822
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	30.00	30.04	300021	300411
*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.
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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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