



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IAUZ40N10S5L120	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA005430064		
<b>Package</b>	PG-TSDSON-8-33	<b>Weight*</b>	36.50 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	0.566	1.55	1.55	15505	15505
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		85	
	non noble metal	zinc	7440-66-6	0.012	0.03		341	
	non noble metal	iron	7439-89-6	0.249	0.68		6817	
	non noble metal	copper	7440-50-8	10.102	27.68	28.40	276780	284023
wire	noble metal	gold	7440-57-5	0.027	0.07	0.07	738	738
encapsulation	organic material	carbon black	1333-86-4	0.036	0.10		992	
	plastics	epoxy resin	-	1.865	5.11		51098	
	inorganic material	silicondioxide	60676-86-0	16.206	44.40	49.61	444002	496092
leadfinish	non noble metal	tin	7440-31-5	0.400	1.10	1.10	10967	10967
plating	noble metal	silver	7440-22-4	0.086	0.23	0.23	2346	2346
solder	non noble metal	tin	7440-31-5	0.016	0.04		442	
	noble metal	silver	7440-22-4	0.020	0.06		553	
	non noble metal	lead	7439-92-1	0.771	2.11	2.21	21128	22123
heat sink clip	inorganic material	phosphorus	7723-14-0	0.001			34	
	non noble metal	zinc	7440-66-6	0.005	0.01		137	
	non noble metal	iron	7439-89-6	0.100	0.28		2750	
	non noble metal	copper	7440-50-8	4.075	11.17	11.46	111653	114574
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			16	
	non noble metal	zinc	7440-66-6	0.002	0.01		64	
	non noble metal	iron	7439-89-6	0.047	0.13		1287	
	non noble metal	copper	7440-50-8	1.908	5.23	5.37	52265	53632
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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