



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW08T120	Issued	14. February 2022
MA#	MA005625743		
Package	PG-TO247-3-44	Weight*	5965.39 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	3.897	0.07	0.07	653	653
chip_2	inorganic material	silicon	7440-21-3	2.617	0.04	0.04	439	439
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200	
	non noble metal	iron	7439-89-6	3.972	0.07		666	
	non noble metal	copper	7440-50-8	3,967.074	66.49	66.58	665015	665881
wire	non noble metal	aluminium	7429-90-5	5.388	0.09	0.09	903	903
encapsulation	organic material	carbon black	1333-86-4	9.582	0.16		1606	
	plastics	epoxy resin	-	383.297	6.43		64254	
	inorganic material	silicondioxide	60676-86-0	1,523.605	25.54	32.13	255408	321268
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5343	5343
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4872	4872
solder	non noble metal	antimony	7440-36-0	0.382	0.01		64	
	noble metal	silver	7440-22-4	0.956	0.02		160	
	non noble metal	tin	7440-31-5	2.485	0.04	0.07	417	641
*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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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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