

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDH04SG60C	**Issued**	02. June 2021
MA#	MA001686506		
Package	PG-TO220-2-1	**Weight***	2000.77 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.005			2	
	noble metal	gold	7440-57-5	0.019			9	
	inorganic material	siliconcarbide	409-21-2	0.741	0.04	0.04	370	381
leadframe	inorganic material	phosphorus	7723-14-0	0.226	0.01		113	
	non noble metal	iron	7439-89-6	0.753	0.04		376	
	non noble metal	copper	7440-50-8	751.797	37.58	37.63	375752	376241
wire	non noble metal	aluminium	7429-90-5	0.205	0.01	0.01	102	102
encapsulation	organic material	carbon black	1333-86-4	1.284	0.06		642	
	plastics	epoxy resin	-	59.074	2.95		29526	
	inorganic material	silicondioxide	60676-86-0	581.748	29.08	32.09	290763	320931
leadfinish	non noble metal	tin	7440-31-5	14.487	0.72	0.72	7241	7241
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.198	0.01	0.01	99	100
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		89	
	non noble metal	iron	7439-89-6	0.590	0.03		295	
	non noble metal	copper	7440-50-8	589.466	29.46	29.50	294620	295004
*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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