

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ISC028N04NM5	**Issued**	16. May 2021
MA#	MA005400150		
Package	PG-TDSON-8-37	**Weight***	113.64 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	0.614	0.54	0.54	5400	5400
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		137	
	non noble metal	iron	7439-89-6	0.052	0.05		456	
	non noble metal	copper	7440-50-8	51.740	45.53	45.59	455294	455887
wire	noble metal	gold	7440-57-5	0.045	0.04	0.04	392	392
encapsulation	organic material	carbon black	1333-86-4	0.083	0.07		731	
	plastics	epoxy resin	-	6.567	5.78		57784	
	inorganic material	silicondioxide	60676-86-0	34.911	30.72	36.57	307205	365720
leadfinish	non noble metal	tin	7440-31-5	1.392	1.22	1.22	12245	12245
plating	noble metal	silver	7440-22-4	0.194	0.17	0.17	1706	1706
solder	non noble metal	tin	7440-31-5	0.018	0.02		154	
	noble metal	silver	7440-22-4	0.022	0.02		193	
	non noble metal	lead	7439-92-1	0.836	0.74	0.78	7358	7705
heat sink clip	inorganic material	phosphorus	7723-14-0	0.005			45	
	non noble metal	iron	7439-89-6	0.017	0.02		151	
	non noble metal	copper	7440-50-8	17.131	15.07	15.09	150749	150945
*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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