

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPD04N60C3	**Issued**	17. February 2022
MA#	MA005620807		
Package	PG-TO252-3-341	**Weight***	389.45 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	3.279	0.84	0.84	8418	8418
leadframe	inorganic material	phosphorus	7723-14-0	0.069	0.02		177	
	non noble metal	iron	7439-89-6	0.229	0.06		589	
	non noble metal	copper	7440-50-8	228.946	58.79	58.87	587867	588633
wire	non noble metal	aluminium	7429-90-5	0.537	0.14	0.14	1379	1379
encapsulation	organic material	carbon black	1333-86-4	0.390	0.10		1001	
	plastics	epoxy resin	-	11.826	3.04		30365	
	inorganic material	silicondioxide	60676-86-0	117.736	30.23	33.37	302311	333677
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9603	9603
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1307	1307
solder	non noble metal	tin	7440-31-5	0.060	0.02		154	
	noble metal	silver	7440-22-4	0.075	0.02		192	
	non noble metal	lead	7439-92-1	2.855	0.73	0.77	7331	7677
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			15	
	non noble metal	iron	7439-89-6	0.019			49	
	non noble metal	copper	7440-50-8	19.177	4.92	4.92	49242	49306
*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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