



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPD03N50C3	Issued	04. May 2021
MA#	MA001145360		
Package	PG-TO252-3-313	Weight*	318.35 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	2.304	0.72	0.72	7237	7237
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		139	
	non noble metal	iron	7439-89-6	0.147	0.05		463	
	non noble metal	copper	7440-50-8	147.096	46.22	46.28	462059	462661
wire	non noble metal	aluminium	7429-90-5	0.655	0.21	0.21	2059	2059
encapsulation	inorganic material	zinc oxide	1314-13-2	1.414	0.44		4440	
	miscellaneous	miscellaneous	-	7.068	2.22		22202	
	plastics	epoxy resin	-	21.204	6.66		66607	
	inorganic material	silicon dioxide	60676-86-0	111.676	35.08	44.40	350797	444046
lead finish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11748	11748
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4462	4473
solder	non noble metal	tin	7440-31-5	0.047	0.01		149	
	noble metal	silver	7440-22-4	0.059	0.02		186	
	non noble metal	lead	7439-92-1	2.268	0.71	0.74	7123	7458
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			18	
	non noble metal	iron	7439-89-6	0.019	0.01		60	
	non noble metal	copper	7440-50-8	19.177	6.02	6.03	60240	60318
*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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