



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE8102SG	Issued	08. April 2021
MA#	MA005337680		
Package	PG-DSO-12-11	Weight*	406.90 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	11.431	2.81	2.81	28094	28094
leadframe	inorganic material	phosphorus	7723-14-0	0.069	0.02		170	
	non noble metal	iron	7439-89-6	0.230	0.06		566	
	non noble metal	copper	7440-50-8	230.106	56.54	56.62	565505	566241
wire	non noble metal	aluminium	7429-90-5	0.431	0.11	0.11	1059	1059
encapsulation	organic material	carbon black	1333-86-4	0.300	0.07		738	
	plastics	epoxy resin	-	13.818	3.40		33960	
	inorganic material	silicondioxide	60676-86-0	136.080	33.44	36.91	334429	369127
leadfinish	non noble metal	tin	7440-31-5	4.235	1.04	1.04	10408	10408
plating	inorganic material	phosphorus	7723-14-0	0.002			4	
	non noble metal	nickel	7440-02-0	0.630	0.15	0.15	1548	1552
solder	non noble metal	tin	7440-31-5	0.191	0.05		470	
	noble metal	silver	7440-22-4	0.239	0.06		588	
	non noble metal	lead	7439-92-1	9.139	2.25	2.36	22461	23519
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com