



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE4276SV	Issued	18. August 2021
MA#	MA001261004		
Package	PG-TO220-5-12	Weight*	2156.21 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	3.304	0.15	0.15	1532	1532
leadframe	inorganic material	phosphorus	7723-14-0	0.277	0.01		128	
	non noble metal	iron	7439-89-6	0.923	0.04		428	
	non noble metal	copper	7440-50-8	921.567	42.74	42.79	427401	427957
wire	non noble metal	aluminium	7429-90-5	0.332	0.02	0.02	154	154
encapsulation	organic material	carbon black	1333-86-4	1.214	0.06		563	
	plastics	epoxy resin	-	55.860	2.59		25907	
	inorganic material	silicondioxide	60676-86-0	550.100	25.51	28.16	255123	281593
leadfinish	non noble metal	tin	7440-31-5	24.181	1.12	1.12	11215	11215
plating	inorganic material	phosphorus	7723-14-0	0.008			4	
	non noble metal	nickel	7440-02-0	3.285	0.15	0.15	1523	1527
solder	non noble metal	tin	7440-31-5	0.099			46	
	noble metal	silver	7440-22-4	0.123	0.01		57	
	non noble metal	lead	7439-92-1	4.705	0.22	0.23	2182	2285
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		82	
	non noble metal	iron	7439-89-6	0.590	0.03		274	
	non noble metal	copper	7440-50-8	589.466	27.34	27.38	273381	273737
*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