

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLF80511TF V50	**Issued**	05. April 2021
MA#	MA001780518		
Package	PG-TO252-3-11	**Weight***	376.65 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	1.094	0.29	0.29	2905	2905
leadframe	inorganic material	phosphorus	7723-14-0	0.065	0.02		171	
	non noble metal	iron	7439-89-6	0.215	0.06		572	
	non noble metal	copper	7440-50-8	215.017	57.08	57.16	570870	571613
wire	non noble metal	aluminium	7429-90-5	0.196	0.05	0.05	520	520
encapsulation	organic material	carbon black	1333-86-4	0.271	0.07		721	
	plastics	epoxy resin	-	12.487	3.32		33153	
	inorganic material	silicondioxide	60676-86-0	122.969	32.65	36.04	326482	360356
leadfinish	non noble metal	tin	7440-31-5	3.740	0.99	0.99	9930	9930
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.091	0.02	0.02	241	242
solder	non noble metal	tin	7440-31-5	0.026	0.01		69	
	noble metal	silver	7440-22-4	0.033	0.01		86	
	non noble metal	lead	7439-92-1	1.242	0.33	0.35	3297	3452
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			15	
	non noble metal	iron	7439-89-6	0.019	0.01		51	
	non noble metal	copper	7440-50-8	19.177	5.09	5.10	50916	50982
*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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