



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE5205-2G	<b>Issued</b>	05. May 2021
<b>MA#</b>	MA001209576		
<b>Package</b>	PG-TO263-7-1	<b>Weight*</b>	1538.63 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	11.039	0.72	0.72	7175	7175
leadframe	inorganic material	phosphorus	7723-14-0	0.243	0.02		158	
	non noble metal	iron	7439-89-6	0.810	0.05		526	
	non noble metal	copper	7440-50-8	808.613	52.55	52.62	525539	526223
wire	non noble metal	aluminium	7429-90-5	3.385	0.22	0.22	2200	2200
encapsulation	inorganic material	zinc oxide	1314-13-2	5.856	0.38		3806	
	miscellaneous	miscellaneous	-	23.422	1.52		15223	
	plastics	epoxy resin	-	87.834	5.71		57085	
	inorganic material	silicon dioxide	60676-86-0	468.447	30.45	38.06	304456	380570
lead finish	non noble metal	tin	7440-31-5	13.037	0.85	0.85	8473	8473
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.212	0.01	0.01	138	139
solder	non noble metal	tin	7440-31-5	0.188	0.01		122	
	noble metal	silver	7440-22-4	0.235	0.02		153	
	non noble metal	lead	7439-92-1	8.965	0.58	0.61	5827	6102
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			21	
	non noble metal	iron	7439-89-6	0.106	0.01		69	
	non noble metal	copper	7440-50-8	106.210	6.90	6.91	69028	69118
*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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