



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	ISO1I813T	<b>Issued</b>	08. April 2021
<b>MA#</b>	MA005337498		
<b>Package</b>	PG-TSSOP-48-3	<b>Weight*</b>	215.38 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	4.202	1.95	1.95	19510	19510
chip_2	inorganic material	silicon	7440-21-3	5.055	2.35	2.35	23471	23471
leadframe	inorganic material	phosphorus	7723-14-0	0.023	0.01		106	
	non noble metal	zinc	7440-66-6	0.092	0.04		426	
	non noble metal	iron	7439-89-6	1.835	0.85		8519	
	non noble metal	copper	7440-50-8	74.503	34.59	35.49	345916	354967
wires	noble metal	palladium	7440-05-3	0.001			6	
	noble metal	platinum	7440-06-4	0.004			17	
	noble metal	gold	7440-57-5	0.486	0.23	0.23	2256	2279
encapsulation	organic material	carbon black	1333-86-4	0.617	0.29		2863	
	plastics	epoxy resin	-	19.117	8.88		88758	
	inorganic material	silicondioxide	60676-86-0	103.600	48.08	57.25	481012	572633
leadfinish	non noble metal	tin	7440-31-5	2.382	1.11	1.11	11060	11060
plating	noble metal	silver	7440-22-4	0.399	0.19	0.19	1851	1851
glue	plastics	epoxy resin	-	0.766	0.36		3557	
	noble metal	silver	7440-22-4	2.298	1.07	1.43	10672	14229
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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