



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SAK-TC1796-256F150E BE	<b>Issued</b>	30. June 2021
<b>MA#</b>	MA001226482		
<b>Package</b>	PG-BGA-416-25	<b>Weight*</b>	2542.20 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	49.517	1.95	1.95	19478	19478
wire	noble metal	gold	7440-57-5	9.468	0.37	0.37	3724	3724
encapsulation	organic material	carbon black	1333-86-4	2.389	0.09		940	
	plastics	epoxy resin	-	146.950	5.78		57804	
	inorganic material	silicondioxide	60676-86-0	1,045.379	41.13	47.00	411208	469952
substrate	plastics	epoxy resin	-	24.545	0.97		9655	
	inorganic material	bariumsulfate	7727-43-7	37.664	1.48		14816	
	plastics	acrylic resin	-	43.589	1.71		17146	
	plastics	bismaleimide triazine resin	-	146.953	5.78		57805	
	inorganic material	aluminiumhydroxide	21645-51-2	161.648	6.36		63586	
	non noble metal	copper	7440-50-8	222.058	8.73		87348	
	inorganic material	glass fibre	-	279.210	10.98	36.01	109830	360186
plating	noble metal	gold	7440-57-5	0.001			1	
	non noble metal	nickel	7440-02-0	0.002			1	2
solderball	non noble metal	copper	7440-50-8	1.829	0.07		720	
	noble metal	silver	7440-22-4	14.634	0.58		5757	
	non noble metal	tin	7440-31-5	349.395	13.74	14.39	137438	143915
glue	plastics	epoxy resin	-	1.743	0.07		686	
	noble metal	silver	7440-22-4	5.230	0.21	0.28	2057	2743
*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 does not use any exemption.

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