



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	2ED4820-EM	<b>Issued</b>	09. February 2022
<b>MA#</b>	MA005613891		
<b>Package</b>	PG-TSDSO-24-5	<b>Weight*</b>	111.88 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	4.285	3.83	3.83	38304	38304
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		139	
	non noble metal	zinc	7440-66-6	0.062	0.06		556	
	non noble metal	iron	7439-89-6	1.243	1.11		11114	
	non noble metal	copper	7440-50-8	50.487	45.13	46.31	451269	463078
wire	non noble metal	copper	7440-50-8	0.271	0.24	0.24	2420	2420
encapsulation	organic material	carbon black	1333-86-4	0.151	0.13		1348	
	plastics	epoxy resin	-	5.882	5.26		52574	
	inorganic material	silicondioxide	60676-86-0	44.240	39.54	44.93	395430	449352
leadfinish	non noble metal	tin	7440-31-5	2.672	2.39	2.39	23882	23882
plating	noble metal	silver	7440-22-4	1.381	1.23	1.23	12341	12341
glue	plastics	epoxy resin	-	0.208	0.19		1859	
	noble metal	silver	7440-22-4	0.980	0.88	1.07	8764	10623
*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