



Material Content Data Sheet



Halogen-Free

Sales Product Name	KP229E3518	Issued	23. June 2021
MA#	MA005447120		
Package	PG-DSOF-8-16	Weight*	225.97 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	12.745	5.64	5.64	56401	56401
leadframe	inorganic material	phosphorus	7723-14-0	0.009			41	
	non noble metal	zinc	7440-66-6	0.037	0.02		164	
	non noble metal	iron	7439-89-6	0.740	0.33		3273	
	non noble metal	copper	7440-50-8	30.034	13.29	13.64	132910	136388
wire	noble metal	gold	7440-57-5	0.167	0.07	0.07	741	741
encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2601	
	plastics	epoxy resin	-	21.305	9.43		94281	
	inorganic material	silicondioxide	60676-86-0	125.036	55.34	65.03	553329	650211
leadfinish	inorganic material	phosphorus	7723-14-0	0.000			2	
	noble metal	gold	7440-57-5	0.015	0.01		67	
	noble metal	palladium	7440-05-3	0.015	0.01		67	
	non noble metal	nickel	7440-02-0	0.149	0.07	0.09	658	794
lid attach material	organic material	carbon black	1333-86-4	0.005			22	
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2106	
	plastics	epoxy resin	-	0.500	0.22	0.43	2215	4343
lid	inorganic material	glass fibre	-	5.716	2.53		25295	
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.79	6.32	37943	63238
glue	inorganic material	titandioxide	13463-67-7	0.025	0.01		110	
	inorganic material	alumina	1344-28-1	0.137	0.06		604	
	inorganic material	silicondioxide	60676-86-0	0.459	0.20		2032	
	plastics	silicone resin	-	1.861	0.82	1.09	8238	10984
gel	plastics	silicone resin	-	17.371	7.69	7.69	76874	76874
adhesion promoter	inorganic material	chromiumoxide	1308-38-9	0.003			13	
	inorganic material	zincoxide	1314-13-2	0.003			13	26
*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.

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

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