



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	KP276A1201	<b>Issued</b>	09. September 2021
<b>MA#</b>	MA002711320		
<b>Package</b>	PG-DSOF-8-162	<b>Weight*</b>	230.33 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	14.415	6.26	6.26	62583	62583
leadframe	inorganic material	phosphorus	7723-14-0	0.009			40	
	non noble metal	zinc	7440-66-6	0.037	0.02		161	
	non noble metal	iron	7439-89-6	0.740	0.32		3211	
	non noble metal	copper	7440-50-8	30.034	13.04	13.38	130396	133808
wire	noble metal	gold	7440-57-5	0.178	0.08	0.08	771	771
encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2552	
	plastics	epoxy resin	-	21.305	9.25		92497	
	inorganic material	silicondioxide	60676-86-0	125.036	54.28	63.79	542863	637912
leadfinish	inorganic material	phosphorus	7723-14-0	0.000			2	
	noble metal	gold	7440-57-5	0.015	0.01		65	
	noble metal	palladium	7440-05-3	0.015	0.01		66	
	non noble metal	nickel	7440-02-0	0.149	0.06	0.08	645	778
lid attach material	organic material	carbon black	1333-86-4	0.005			21	
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2066	
	plastics	epoxy resin	-	0.500	0.22	0.43	2173	4260
lid	inorganic material	glass fibre	-	8.401	3.65		36473	
	plastics	Polyphenylene Sulfide	26125-40-6	8.401	3.65	7.30	36473	72946
glue	inorganic material	titandioxide	13463-67-7	0.026	0.01		115	
	inorganic material	alumina	1344-28-1	0.146	0.06		632	
	inorganic material	silicondioxide	60676-86-0	0.490	0.21		2127	
	plastics	silicone resin	-	1.986	0.86	1.14	8622	11496
gel	plastics	silicone resin	-	17.371	7.54	7.54	75420	75420
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

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