



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	KP254	<b>Issued</b>	13. August 2021
<b>MA#</b>	MA001625770		
<b>Package</b>	PG-DSOF-8-16	<b>Weight*</b>	224.86 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	9.453	4.20	4.20	42037	42037
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		3289	
	non noble metal	copper	7440-50-8	30.034	13.36	13.71	133565	137059
wire	noble metal	gold	7440-57-5	0.169	0.08	0.08	750	750
encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2614	
	plastics	epoxy resin	-	21.305	9.47		94745	
	inorganic material	silicondioxide	60676-86-0	125.036	55.59	65.32	556055	653414
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		68	
	non noble metal	nickel	7440-02-0	0.149	0.07	0.09	661	798
lid attach material	organic material	carbon black	1333-86-4	0.005			22	
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2116	
	plastics	epoxy resin	-	0.500	0.22	0.43	2226	4364
lid	inorganic material	glass fibre	-	8.401	3.74		37360	
	plastics	Polyphenylene Sulfide	26125-40-6	8.401	3.74	7.48	37360	74720
glue	inorganic material	titandioxide	13463-67-7	0.022	0.01		96	
	inorganic material	alumina	1344-28-1	0.118	0.05		527	
	inorganic material	silicondioxide	60676-86-0	0.398	0.18		1772	
	plastics	silicone resin	-	1.615	0.72	0.96	7184	9579
gel	plastics	silicone resin	-	17.371	7.73	7.73	77253	77253
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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