



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	KP264	<b>Issued</b>	09. September 2021
<b>MA#</b>	MA005023704		
<b>Package</b>	PG-DSOF-8-164	<b>Weight*</b>	226.58 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	4.17	4.17	41719	41719
leadframe	inorganic material	phosphorus	7723-14-0	0.009			41	
	non noble metal	zinc	7440-66-6	0.037	0.02		163	
	non noble metal	iron	7439-89-6	0.740	0.33		3265	
	non noble metal	copper	7440-50-8	30.034	13.26	13.61	132555	136024
wire	noble metal	gold	7440-57-5	0.169	0.07	0.07	744	744
encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2594	
	plastics	epoxy resin	-	21.305	9.40		94029	
	inorganic material	silicondioxide	60676-86-0	125.036	55.18	64.84	551852	648475
leadfinish	inorganic material	phosphorus	7723-14-0	0.000			2	
	noble metal	gold	7440-57-5	0.015	0.01		66	
	noble metal	palladium	7440-05-3	0.015	0.01		67	
	non noble metal	nickel	7440-02-0	0.149	0.07	0.09	656	791
lid attach material	organic material	carbon black	1333-86-4	0.005			22	
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2100	
	plastics	epoxy resin	-	0.500	0.22	0.43	2209	4331
lid	inorganic material	glass fibre	-	7.406	3.27		32686	
	plastics	Polyphenylene Sulfide	26125-40-6	11.109	4.90	8.17	49028	81714
glue	inorganic material	titandioxide	13463-67-7	0.022	0.01		95	
	inorganic material	alumina	1344-28-1	0.118	0.05		523	
	inorganic material	silicondioxide	60676-86-0	0.398	0.18		1759	
	plastics	silicone resin	-	1.615	0.71	0.95	7130	9507
gel	plastics	silicone resin	-	17.371	7.67	7.67	76669	76669
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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