



Material Content Data Sheet



Halogen-Free

Sales Product Name	KP108-PS	Issued	17. August 2021
MA#	MA001642906		
Package	PG-DSOF-8-16	Weight*	229.67 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	13.861	6.03	6.03	60349	60349
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		3221	
	non noble metal	copper	7440-50-8	30.034	13.08	13.42	130766	134188
wire	noble metal	gold	7440-57-5	0.150	0.07	0.07	655	655
encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2559	
	plastics	epoxy resin	-	21.305	9.28		92760	
	inorganic material	silicondioxide	60676-86-0	125.036	54.43	63.97	544408	639727
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		66	
	non noble metal	nickel	7440-02-0	0.149	0.06	0.08	647	781
lid attach material	organic material	carbon black	1333-86-4	0.005			21	
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2072	
	plastics	epoxy resin	-	0.500	0.22	0.43	2179	4272
lid	inorganic material	glass fibre	-	8.401	3.66		36577	
	plastics	Polyphenylene Sulfide	26125-40-6	8.401	3.66	7.32	36577	73154
glue	inorganic material	titandioxide	13463-67-7	0.026	0.01		112	
	inorganic material	alumina	1344-28-1	0.142	0.06		617	
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2075	
	plastics	silicone resin	-	1.932	0.84	1.12	8410	11214
gel	plastics	silicone resin	-	17.371	7.56	7.56	75634	75634
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:

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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.

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