



Material Content Data Sheet



Sales Product Name				KP229F3519		Issued		14. September 2018	
MA#				MA002542352					
Package				PG-DSOF-8-16		Weight*		228.48 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	5.58	5.58	55781	55781	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		40		
	non noble metal	zinc	7440-66-6	0.037	0.02		162		
	non noble metal	iron	7439-89-6	0.740	0.32		3237		
wire	non noble metal	copper	7440-50-8	30.034	13.14	13.48	131449	134888	
	noble metal	gold	7440-57-5	0.167	0.07	0.07	733	733	
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2572	
encapsulation	plastics	epoxy resin	-	21.305	9.32		93244		
	inorganic material	silicondioxide	60676-86-0	125.036	54.75	64.33	547249	643065	
	leadfinish	inorganic material	phosphorus	7723-14-0	0.000	0.00		2	
leadfinish	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	0.06	0.08	650	785	
lid attach material	organic material	carbon black	1333-86-4	0.005	0.00		21		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2083		
	plastics	epoxy resin	-	0.500	0.22	0.43	2190	4294	
lid	inorganic material	glass fibre	-	7.561	3.31		33091		
	plastics	polyphenylene sulphide	26125-40-6	9.241	4.04	7.35	40445	73536	
glue	inorganic material	titandioxide	13463-67-7	0.025	0.01		109		
	inorganic material	alumina	1344-28-1	0.137	0.06		597		
	inorganic material	silicondioxide	60676-86-0	0.459	0.20		2010		
gel	plastics	silicone resin	-	1.861	0.81	1.08	8147	10863	
	plastics	silicone resin	-	17.371	7.60	7.60	76029	76029	
	adhesion promoters	inorganic material	chromiumoxide	1308-38-9	0.003	0.00		13	
	inorganic material	zincoxide	1314-13-2	0.003	0.00	0.00	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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