



Material Content Data Sheet



Sales Product Name				KP200		Issued		27. September 2017	
MA#				MA000852196					
Package				PG-DSOF-8-16		Weight*		228.45 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	14.014	6.13	6.13	61347	61347	
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		3238		
wire	non noble metal	copper	7440-50-8	30.034	13.15	13.49	131470	134910	
	noble metal	gold	7440-57-5	0.150	0.07	0.07	658	658	
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2573	
encapsulation	plastics	epoxy resin	-	21.305	9.33		93259		
	inorganic material	silicondioxide	60676-86-0	125.036	54.75	64.34	547335	643167	
	leadfinish	noble metal	gold	7440-57-5	0.020	0.01		87	
leadfinish	noble metal	palladium	7440-05-3	0.020	0.01		88		
	non noble metal	nickel	7440-02-0	0.196	0.09		858		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.11	2	1035	
plating	inorganic material	chromiumoxide	1308-38-9	0.170	0.07		745		
	inorganic material	zincoxide	1314-13-2	0.397	0.17	0.24	1739	2484	
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	2191	4295	
lid	inorganic material	glass fibre	-	5.716	2.50		25021		
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.75	6.25	37532	62553	
glue	inorganic material	alumina	1344-28-1	0.170	0.07		743		
	inorganic material	titandioxide	13463-67-7	0.031	0.01		135		
	inorganic material	silicondioxide	60676-86-0	0.571	0.25		2498		
gel	plastics	silicone resin	-	2.313	1.01	1.34	10125	13501	
	plastics	silicone resin	-	17.373	7.60	7.60	76050	76050	
*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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