



Material Content Data Sheet



Sales Product Name				KP256		Issued		22. January 2018	
MA#				MA001399178					
Package				PG-D50F-8-16		Weight*		224.01 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	9.606	4.29	4.29	42883	42883	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.00		41		
	non noble metal	zinc	7440-66-6	0.037	0.02		165		
	non noble metal	iron	7439-89-6	0.740	0.33		3302		
wire	non noble metal	copper	7440-50-8	30.034	13.41	13.76	134071	137579	
	noble metal	gold	7440-57-5	0.169	0.08	0.08	753	753	
	encapsulation	organic material	carbon black	1333-86-4	0.588	0.26		2624	
encapsulation	plastics	silicone resin	-	17.373	7.76		77555		
	plastics	epoxy resin	-	21.305	9.51		95104		
	inorganic material	silicondioxide	60676-86-0	125.036	55.80	73.33	558166	733449	
leadfinish	noble metal	gold	7440-57-5	0.020	0.01		89		
	noble metal	palladium	7440-05-3	0.020	0.01		90		
	non noble metal	nickel	7440-02-0	0.196	0.09		875		
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.11	2	1056	
	inorganic material	chromiumoxide	1308-38-9	0.284	0.13		1267		
	inorganic material	zincoxide	1314-13-2	0.662	0.30	0.43	2956	4223	
lid attach material	organic material	carbon black	1333-86-4	0.005	0.00		22		
	inorganic material	silicondioxide	60676-86-0	0.476	0.21		2124		
	plastics	epoxy resin	-	0.500	0.22	0.43	2234	4380	
lid	inorganic material	glass fibre	-	5.716	2.55		25516		
	plastics	Polyphenylene Sulfide	26125-40-6	8.574	3.83	6.38	38275	63791	
glue	inorganic material	alumina	1344-28-1	0.146	0.07		654		
	inorganic material	titandioxide	13463-67-7	0.027	0.01		119		
	inorganic material	silicondioxide	60676-86-0	0.493	0.22		2199		
	plastics	silicone resin	-	1.997	0.89	1.19	8914	11886	
*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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