



Material Content Data Sheet



Sales Product Name		SLE 78CLUFX5000PHMVQFN32		Issued		21. November 2019			
MA#		MA004177832							
Package		PG-VQFN-32-13		Weight*		69.10 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	4.050	5.86	5.86	58608	58608	
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		132		
		non noble metal	zinc	7440-66-6	0.036	0.05		528	
		non noble metal	iron	7439-89-6	0.730	1.06		10559	
wire	noble metal	non noble metal	copper	7440-50-8	29.625	42.87	43.99	428737	439956
		noble metal	gold	7440-57-5	0.329	0.48	0.48	4757	4757
		organic material	carbon black	1333-86-4	0.161	0.23		2328	
encapsulation	plastics	epoxy resin	-	4.986	7.22		72161		
		inorganic material	silicondioxide	60676-86-0	27.022	39.11	46.56	391066	465555
		leadfinish	noble metal	silver	7440-22-4	0.000	0.00		4
noble metal	palladium			7440-05-3	0.000	0.00		5	
noble metal	gold			7440-57-5	0.001	0.00		8	
plating	non noble metal	noble metal	nickel	7440-02-0	0.543	0.79	0.79	7861	7878
		noble metal	silver	7440-22-4	0.000	0.00		2	
		noble metal	palladium	7440-05-3	0.000	0.00		2	
glue	noble metal	noble metal	gold	7440-57-5	0.000	0.00		4	
		non noble metal	nickel	7440-02-0	0.258	0.37	0.37	3737	3745
		plastics	epoxy resin	-	0.216	0.31		3120	
*deviation	< 10%			1.132	1.64	1.95	16381	19501	
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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