



Material Content Data Sheet



Sales Product Name		TLE4929C-XAN-M28		Issued		4. October 2018		
MA#		MA001779530						
Package		PG-SSO-3-52		Weight*		158.75 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	2.726	1.72	1.72	17169	17169
leadframe	non noble metal	chromium	7440-47-3	0.242	0.15		1522	
	non noble metal	titanium	7440-32-6	0.242	0.15		1522	
	non noble metal	nickel	7440-02-0	0.322	0.20		2029	
	non noble metal	tin	7440-31-5	0.483	0.30		3044	
	non noble metal	copper	7440-50-8	79.252	49.94	50.74	499233	507350
wire	noble metal	gold	7440-57-5	0.039	0.02	0.02	244	244
encapsulation	organic material	carbon black	1333-86-4	0.422	0.27		2656	
	plastics	brominated resin	-	0.527	0.33		3320	
	inorganic material	antimonytrioxide	1309-64-4	1.054	0.66		6640	
	plastics	epoxy resin	-	9.592	6.04		60424	
	inorganic material	silicondioxide	60676-86-0	41.110	25.90	33.20	258961	332001
leadfinish	non noble metal	tin	7440-31-5	5.565	3.51	3.51	35056	35056
plating	noble metal	silver	7440-22-4	0.442	0.28	0.28	2784	2784
glue	plastics	epoxy resin	-	0.167	0.11		1051	
	noble metal	silver	7440-22-4	0.670	0.42	0.53	4218	5269
smd	inorganic material	boronoxide	1303-86-2	0.044	0.03		276	
	inorganic material	yttriumoxide	1314-36-9	0.099	0.06		625	
	inorganic material	silicondioxide	60676-86-0	0.131	0.08		827	
	inorganic material	ytterbiumoxide	1314-37-0	0.156	0.10		985	
	noble metal	palladium	7440-05-3	0.340	0.21		2139	
	non noble metal	copper	7440-50-8	0.749	0.47		4715	
	non noble metal	nickel	7440-02-0	1.082	0.68		6814	
	inorganic material	titandioxide	13463-67-7	1.793	1.13		11295	
	noble metal	silver	7440-22-4	1.916	1.21		12072	
	inorganic material	bariumoxide	1304-28-5	3.529	2.22		22230	
	inorganic material	bariumtitanate	12047-27-7	6.056	3.81	10.00	38149	100127
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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