



Material Content Data Sheet



Sales Product Name		TLE4998S3C		Issued		25. September 2017		
MA#		MA000876790						
Package		PG-SSO-3-92		Weight*		156.59 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	2.696	1.72	1.72	17218	17218
leadframe	non noble metal	chromium	7440-47-3	0.240	0.15		1531	
	non noble metal	titanium	7440-32-6	0.240	0.15		1531	
	non noble metal	nickel	7440-02-0	0.320	0.20		2041	
	non noble metal	tin	7440-31-5	0.479	0.31		3062	
	non noble metal	copper	7440-50-8	78.632	50.23	51.04	502164	510329
wire	noble metal	gold	7440-57-5	0.047	0.03	0.03	299	299
encapsulation	organic material	carbon black	1333-86-4	0.423	0.27		2701	
	plastics	brominated resin	-	0.529	0.34		3376	
	inorganic material	antimonytrioxide	1309-64-4	1.057	0.68		6752	
	plastics	epoxy resin	-	9.621	6.14		61443	
	inorganic material	silicondioxide	60676-86-0	41.234	26.33	33.76	263328	337600
leadfinish	non noble metal	tin	7440-31-5	5.565	3.55	3.55	35540	35540
plating	noble metal	silver	7440-22-4	0.442	0.28	0.28	2823	2823
glue	plastics	epoxy resin	-	0.163	0.10		1038	
	noble metal	silver	7440-22-4	0.650	0.42	0.52	4152	5190
smd	non noble metal	copper	7440-50-8	0.073	0.05		463	
	noble metal	palladium	7440-05-3	0.081	0.05		515	
	plastics	epoxy resin	-	0.004	0.00		25	
	inorganic material	ytterbiumoxide	1314-37-0	0.185	0.12		1181	
	inorganic material	yttriumoxide	1314-36-9	0.226	0.14		1442	
	non noble metal	nickel	7440-02-0	0.384	0.25		2453	
	noble metal	silver	7440-22-4	1.417	0.90		9046	
	inorganic material	titandioxide	13463-67-7	5.074	3.24		32405	
	inorganic material	bariumoxide	1304-28-5	6.807	4.35	9.10	43471	91001
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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