



Material Content Data Sheet



Sales Product Name		TLE4271-2S		Issued		28. August 2013		
MA#		MA000723262						
Package		PG-TO220-7-12		Weight*		2154.16 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	4.930	0.23	0.23	2289	2289
leadframe	non noble metal	iron	7439-89-6	0.908	0.04		422	
	inorganic material	phosphorus	7723-14-0	0.272	0.01		126	
	non noble metal	copper	7440-50-8	906.793	42.08	42.13	420949	421498
wire	non noble metal	aluminium	7429-90-5	0.437	0.02	0.02	203	203
encapsulation	organic material	carbon black	1333-86-4	1.256	0.06		583	
	plastics	epoxy resin	-	57.776	2.68		26820	
	inorganic material	silicondioxide	60676-86-0	568.965	26.41	29.15	264123	291526
leadfinish	non noble metal	tin	7440-31-5	23.005	1.07	1.07	10680	10680
plating	non noble metal	nickel	7440-02-0	0.216	0.01		100	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	100
solder	noble metal	silver	7440-22-4	0.151	0.01		70	
	non noble metal	tin	7440-31-5	0.120	0.01		56	
	non noble metal	lead	7439-92-1	5.749	0.27	0.29	2669	2795
heatspreader	inorganic material	phosphorus	7723-14-0	0.175	0.01		81	
	non noble metal	iron	7439-89-6	0.584	0.03		271	
	non noble metal	copper	7440-50-8	582.824	27.06	27.10	270557	270909
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com