



Material Content Data Sheet



Sales Product Name	ITS621L1			Issued		29. August 2013		
MA#	MA000220102							
Package	PG-TO220-7-3			Weight*		1466.72 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	7.015	0.48	0.48	4783	4783
leadframe	non noble metal	iron	7439-89-6	0.710	0.05		484	
	inorganic material	phosphorus	7723-14-0	0.213	0.01		145	
	non noble metal	copper	7440-50-8	709.122	48.36	48.42	483474	484104
wire	non noble metal	aluminium	7429-90-5	2.408	0.16	0.16	1642	1642
encapsulation	organic material	carbon black	1333-86-4	6.477	0.44		4416	
	inorganic material	antimonytrioxide	1309-64-4	13.542	0.92		9233	
	plastics	brominated resin	-	15.308	1.04		10437	
	plastics	epoxy resin	-	111.867	7.63		76270	
	inorganic material	silicondioxide	60676-86-0	441.581	30.11	40.14	301067	401423
leadfinish	non noble metal	tin	7440-31-5	8.970	0.61	0.61	6116	6116
plating	non noble metal	nickel	7440-02-0	0.149	0.01		102	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.01	1	102
solder	non noble metal	antimony	7440-36-0	0.353	0.02		241	
	noble metal	silver	7440-22-4	0.884	0.06		602	
	non noble metal	tin	7440-31-5	2.297	0.16	0.24	1566	2409
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		30	
	non noble metal	iron	7439-89-6	0.146	0.01		99	
	non noble metal	copper	7440-50-8	145.634	9.93	9.94	99292	99421
*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