



## Material Content Data Sheet



Sales Product Name	ITS640S2			Issued		29. August 2013		
MA#	MA000222410							
Package	PG-TO220-7-11			Weight*		2103.04 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	6.313	0.30	0.30	3002	3002
leadframe	non noble metal	iron	7439-89-6	0.908	0.04		432	
	inorganic material	phosphorus	7723-14-0	0.272	0.01		130	
	non noble metal	copper	7440-50-8	906.793	43.13	43.18	431182	431744
wire	non noble metal	aluminium	7429-90-5	3.209	0.15	0.15	1526	1526
encapsulation	organic material	carbon black	1333-86-4	6.330	0.30		3010	
	inorganic material	antimonytrioxide	1309-64-4	13.235	0.63		6293	
	plastics	brominated resin	-	14.962	0.71		7114	
	plastics	epoxy resin	-	109.337	5.20		51990	
	inorganic material	silicondioxide	60676-86-0	431.592	20.52	27.36	205223	273630
leadfinish	non noble metal	tin	7440-31-5	23.005	1.09	1.09	10939	10939
plating	non noble metal	nickel	7440-02-0	0.216	0.01		103	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	0	103
solder	non noble metal	antimony	7440-36-0	0.329	0.02		156	
	noble metal	silver	7440-22-4	0.821	0.04		391	
	non noble metal	tin	7440-31-5	2.136	0.10	0.16	1015	1562
heatspreader	non noble metal	iron	7439-89-6	0.584	0.03		277	
	inorganic material	phosphorus	7723-14-0	0.175	0.01		83	
	non noble metal	copper	7440-50-8	582.824	27.71	27.75	277134	277494
*deviation	< 10%	Sum in total:			100,00			1000000

### Important Remarks:

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