



Material Content Data Sheet



Sales Product Name	BTN7970B			Issued		29. August 2013		
MA#	MA001030394							
Package	PG-TO263-7-1			Weight*		1534.72 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	7.983	0.52	0.52	5202	5202
leadframe	non noble metal	iron	7439-89-6	0.810	0.05		528	
	inorganic material	phosphorus	7723-14-0	0.243	0.02		158	
	non noble metal	copper	7440-50-8	808.613	52.69	52.76	526879	527566
wire	non noble metal	aluminium	7429-90-5	6.405	0.42	0.42	4174	4174
encapsulation	organic material	carbon black	1333-86-4	8.777	0.57		5719	
	plastics	epoxy resin	-	96.549	6.29		62909	
	inorganic material	silicondioxide	60676-86-0	479.818	31.26	38.12	312641	381269
leadfinish	non noble metal	tin	7440-31-5	13.037	0.85	0.85	8494	8494
plating	non noble metal	nickel	7440-02-0	0.212	0.01		138	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	138
glue	plastics	Polyimide	26023-21-2	0.179	0.01	0.01	117	117
solder	noble metal	silver	7440-22-4	0.144	0.01		94	
	non noble metal	tin	7440-31-5	0.115	0.01		75	
	non noble metal	lead	7439-92-1	5.488	0.36	0.38	3576	3745
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		21	
	non noble metal	iron	7439-89-6	0.106	0.01		69	
	non noble metal	copper	7440-50-8	106.210	6.92	6.93	69205	69295
*deviation	< 10%	Sum in total:			100,00			1000000

Important Remarks:

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