



Material Content Data Sheet



Sales Product Name	BTN7960P			Issued		29. August 2013		
MA#	MA001005830							
Package	PG-TO220-7-11			Weight*		2121.17 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	0.38	0.38	3764	3764
leadframe	non noble metal	iron	7439-89-6	0.908	0.04		428	
	inorganic material	phosphorus	7723-14-0	0.272	0.01		128	
	non noble metal	copper	7440-50-8	906.793	42.74	42.79	427495	428052
wire	non noble metal	aluminium	7429-90-5	6.603	0.31	0.31	3113	3113
encapsulation	organic material	carbon black	1333-86-4	8.788	0.41		4143	
	plastics	epoxy resin	-	96.670	4.56		45574	
	inorganic material	silicondioxide	60676-86-0	480.422	22.65	27.62	226489	276206
leadfinish	non noble metal	tin	7440-31-5	23.005	1.08	1.08	10846	10846
plating	non noble metal	nickel	7440-02-0	0.216	0.01		102	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	102
glue	plastics	Polyimide	26023-21-2	0.179	0.01	0.01	85	85
solder	noble metal	silver	7440-22-4	0.144	0.01		68	
	non noble metal	tin	7440-31-5	0.115	0.01		54	
	non noble metal	lead	7439-92-1	5.488	0.26	0.28	2587	2709
heatspreader	inorganic material	phosphorus	7723-14-0	0.175	0.01		83	
	non noble metal	iron	7439-89-6	0.584	0.03		275	
	non noble metal	copper	7440-50-8	582.824	27.48	27.52	274765	275123
*deviation	< 10%	Sum in total:			100,00		1000000	

Important Remarks:

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