

## **B0530WS / MMBT2222A /BZT52B39-G - comparison report**

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Issue date at 2016.8.8  
Reversion for A

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Comparison report

	Before	CJ=18pF	comment
Parameter / Mechanical	B0530WS CJ=58pF MECHANICAL DATA: (Case: Flat lead SOD-323 small outline plastic package)	B0530WS CJ=160pF MECHANICAL DATA: (Case: Flat lead SOD-323F small outline plastic package)	Revise TSC Datasheet , product no change
	MMBT2222A Iceo=Max 0.01uA @Vce=60V VBE(OFF)=3V	MMBT2222A Delete : Iceo=Max 0.01uA @Vce=60V VBE(OFF)=3V	TSC specification , will removed
	BZT52B39-G VZ Max:0.50V	BZT52B39-G VZ Max:39.78 V	Revise TSC Datasheet , product no change

**B0530WS Test data**

PN	B0530WS RRG		
package	SOD-323F		
parameter	CJ		
L/T	TSC61SL0F5P0702C0817	TSC61SL0F5P0219C817	TSC61SL0F5P0625C0817
spec	Max. 58 (PF) @VR=0V,f=1MHz		
Sample-1	131.27	134.12	131.21
Sample-2	132.17	134.23	131.64
Sample-3	132.07	134.14	133.89
Sample-4	131.43	134.26	132.63
Sample-5	131.79	135.07	130.65
Sample-6	131.83	134.35	131.36
Sample-7	131.47	133.98	133.54
Sample-8	131.61	135.04	131.32
Sample-9	132.17	134.68	132.68
Sample-10	131.55	134.61	132.87
Sample-11	132.58	134.97	133.48
Sample-12	131.36	134.58	131.95
Sample-13	131.69	134.43	128.87
Sample-14	132.29	135.07	132.79
Sample-15	130.65	134.56	132.56
Sample-16	131.81	134.54	132.65
Sample-17	131.69	134.22	129.46
Sample-18	131.58	134.14	132.89
Sample-19	131.95	133.83	132.77
Sample-20	131.78	134.69	132.04
Sample-21	132.46	134.08	130.97
Sample-22	131.89	134.69	133.25
SPEC	<b>58</b>	<b>58</b>	<b>58</b>
Average	<b>128.57</b>	<b>134.47</b>	<b>132.07</b>
MIN	<b>58</b>	<b>133.83</b>	<b>128.87</b>
MAX	<b>132.58</b>	<b>135.07</b>	<b>133.89</b>
Sigma	<b>0.43</b>	<b>0.37</b>	<b>1.29</b>
3sigma	<b>1.29</b>	<b>1.10</b>	<b>3.86</b>
Cpk	<b>54.83</b>	<b>69.77</b>	<b>19.20</b>