

# Inventory of discrete standard Types

## 9.1. Transistors

Type		Collector base reverse voltage $V_{CB0}; V_{(V_{CES})}; V$	Collector current $I_C$ mA $(I_{CM}); mA$	Current gain-bandwidth product $f_T; MHz$	Thermal resistance $R_{thJamb}; K/W$ $(R_{thJcase}); K/K$	Case (PI) = plastic
<b>AF 200 U</b>	P	-25	-10	220	≤ 750 (400)	TO-72
<b>AF 201 U</b>	P	-25	-10	220	≤ 750 (400)	TO-72
<b>AF 202</b>	P	-25	-30	210	≤ 450 (200)	sim. TO-72
<b>AF 202 S</b>	P	-32	-30	210	≤ 450 (200)	sim. TO-72
<b>AF 239</b>	P	(-20)	-10	700	≤ 750 (400)	TO-72
<b>AF 239 S</b>	P	(-20)	-10	780	≤ 750 (400)	TO-72
<b>AF 240</b>	P	(-20)	-10	500	≤ 750 (400)	TO-72
<b>AF 279</b>	P	(-20)	-10	780	≤ 600	sim. TO-50 (PI)
<b>AF 280</b>	P	(-20)	-10	550	≤ 600	sim. TO-50 (PI)
<b>AF 306</b>	P	-25	-15	280	≤ 500	sim. SOT-30
<b>AF 379</b>	P	-20 <sup>1)</sup>	-20	1250	(≤ 450)	sim. TO-50
<b>BC 107</b>	N	(50)	(200)	250	≤ 500 (200)	TO-18
<b>BC 108</b>	N	(30)	(200)	250	≤ 500 (200)	TO-18
<b>BC 109</b>	N	(30)	50	300	≤ 500 (200)	TO-18
<b>BC 110</b>	N	80	50	100	≤ 500 (200)	TO-18
<b>BC 121</b>	N	5	75	250	≤ 1000	U 32 (PI)
<b>BC 122</b>	N	30	75	250	≤ 1000	U 32 (PI)
<b>BC 123</b>	N	45	75	250	≤ 1000	U 32 (PI)
<b>BC 140</b>	N	80	1000	50	≤ 200 (35)	TO-39
<b>BC 141</b>	N	100	1000	50	≤ 200 (35)	TO-39
<b>BC 147</b>	N	(50)	(200)	250	≤ 420	SOT-25 (PI)
<b>BC 148</b>	N	(30)	(200)	250	≤ 420	SOT-25 (PI)
<b>BC 149</b>	N	(30)	50	300	≤ 420	SOT-25 (PI)
<b>BC 157</b>	P	(-50)	(-200)	130	≤ 420	SOT-25 (PI)
<b>BC 158</b>	P	(-30)	(-200)	130	≤ 420	SOT-25 (PI)
<b>BC 159</b>	P	(-25)	-50	130	≤ 420	SOT-25 (PI)
<b>BC 160</b>	P	-40	-1000	> 50	≤ 200 (35)	TO-39
<b>BC 161</b>	P	-60	-1000	> 50	≤ 200 (35)	TO-39
<b>BC 167</b>	N	(50)	(200)	250	≤ 420	TO-92 (PI)
<b>BC 168</b>	N	(30)	(200)	250	≤ 420	TO-92 (PI)

<sup>1)</sup>  $V_{CER} (R_{BE} \leq 500 \Omega)$