

# SOT-23

**TABLE 2 – SILICON PLANAR MEDIUM POWER TRANSISTORS**

Devices in this table are suitable for medium current, medium power switching and general purpose applications.

Ratings and Characteristics at 25 °C ambient temperature.

Type	— Maximum Ratings —				h <sub>FE</sub>		V <sub>CE(max)</sub>		f <sub>T</sub> at	Noise Figure
	V <sub>CE(s)</sub> Volts	V <sub>CE0</sub> Volts	I <sub>C</sub> mA	P <sub>tot</sub> mW	min/max	at I <sub>C</sub> /V <sub>CE</sub> mA/Volts	max Volts	at I <sub>C</sub> /I <sub>B</sub> mA	I <sub>C</sub> =20 mA MHz(min)	at I <sub>C</sub> =0.2mA dB(max)
<b>n-p-n</b>										
BCW65A	60	32	1000	350	100/250	100/1	0.3	100/10	100	10
BCW65B	60	32	1000	350	160/400	100/1	0.3	100/10	100	10
BCW65C	60	32	1000	350	250/630	100/1	0.3	100/10	100	10
BCW66F	75	45	1000	350	100/250	100/1	0.3	100/10	100	10
BCW66G	75	45	1000	350	160/400	100/1	0.3	100/10	100	10
BCW66H	75	45	1000	350	250/630	100/1	0.3	100/10	100	10
BCX19/19R	50	45	1000	310	100/600	100/1	0.62	500/50	200†	—
BCX20/20R	30	25	1000	310	100/600	100/1	0.62	500/50	200†	—
BSS66/66R	60	40	200	200	50/150	10/1	0.20	10/1	250	6†
BSS67/67R	60	40	200	200	100/300	10/1	0.20	10/1	300	5†
<b>p-n-p</b>										
BCW67A	45	32	1000	350	100/250	100/1	0.3	100/10	100	10
BCW67B	45	32	1000	350	160/400	100/1	0.3	100/10	100	10
BCW67C	45	32	1000	350	250/630	100/1	0.3	100/10	100	10
BCW68F	60	45	1000	350	100/250	100/1	0.3	100/10	100	10
BCW68G	60	45	1000	350	160/400	100/1	0.3	100/10	100	10
BCW68H	60	45	1000	350	250/630	100/1	0.3	100/10	100	10
BCX17/17R	50	45	1000	310	100/600	100/1	0.62	500/50	100†	—
BCX18/18R	30	25	1000	310	100/600	100/1	0.62	500/50	100†	—
BSS69/69R	40	40	200	200	50/150	10/1	0.25	10/1	200	5†
BSS70/70R	40	40	200	200	100/300	10/1	0.25	10/1	250	4†

†Typical.