

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				min/max	h_{FE} at I_C/V_{CE} mA/Volts	$V_{CE(sat)}$ at		f_T at $I_C=20$ mA MHz(min)	Noise Figure at	
	V_{CES} Volts	V_{CEO} Volts	I_C mA	P_{tot} mW			max Volts	I_C/I_B mA		$I_C=0.2$ mA dB(max)	
n-p-n											
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†	
p-n-p											
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.