

2 SC 2 8 5 7	NP	High Voltage Driver	180	180	5	59m	500m	150	180	1.0 μ	10	10m	40~320	30	10m	>50
2 SA 1 2 0 7	NP	High Voltage Switching AF 60W Amp. Predriver	180	160	5	70m	600m	150	80	0.1 μ	5	10m	100~400	10	10m	150
2 SC 2 9 0 9	NP	High Voltage Switching AF 60W Amp. Predriver	180	160	5	70m	600m	150	80	0.1 μ	5	10m	100~400	10	10m	150
2 SA 1 3 1 9	NP	High Voltage Switching	180	160	6	0.7	700m	150	120	0.1 μ	5	100m	100~400	-	-	-
2 SC 3 3 3 2	NP	High Voltage Switching	180	160	6	0.7	700m	150	120	0.1 μ	5	100m	100~400	-	-	-
2 SK 2 2 3	NP	High Voltage Driver	V _{DSS} 80	V _{GDS} 80	-	I _G 10m	P _D 400m	V _{GS} 125	I _{GSS} 30	V _{DS} 1.0n	30	-	I _{DSS} 1.2~24mA	V _{DS} 30	-	ciss 12pF
2 SA 1 2 0 8	MP	High Voltage Switching AF 80W Amp. Predriver	180	160	5	70m	900m	150	80	0.1 μ	5	10m	100~400	10	10m	150
2 SC 2 9 1 0	MP	High Voltage Switching AF 80W Amp. Predriver	180	160	5	70m	900m	150	80	0.1 μ	5	10m	100~400	10	10m	150
2 SA 1 2 0 9	T0126	High Voltage Switching AF 100W Amp. Predriver	180	160	5	140m	10*	150	80	0.1 μ	5	10m	100~400	10	10m	150
2 SC 2 9 1 1	T0126	High Voltage Switching AF 100W Amp. Predriver	180	160	5	140m	10*	150	80	0.1 μ	5	10m	100~400	10	10m	150
2 SA 1 2 4 8	T0126	High Voltage Switching	180	160	6	0.7	10*	150	120	0.1 μ	5	100m	100~400	10	50m	120
2 SC 3 1 1 6	T0126	High Voltage Switching	180	160	6	0.7	10*	150	120	0.1 μ	5	100m	100~400	10	50m	120
2 SA 1 2 4 9	T0126	High Voltage Switching	180	160	6	1.5	10*	150	120	1.0 μ	5	100m	100~400	10	50m	120
2 SC 3 1 1 7	T0126	High Voltage Switching	180	160	6	1.5	10*	150	120	1.0 μ	5	100m	100~400	10	50m	120
2 SA 1 2 1 0	T0126	High Voltage Switching AF 150W Amp. Predriver	200	200	5	140m	10*	150	160	0.1 μ	5	10m	100~400	10	10m	150
2 SC 2 9 1 2	T0126	High Voltage Switching AF 150W Amp. Predriver	200	200	5	140m	10*	150	160	0.1 μ	5	10m	100~400	10	10m	150

LOW SATURATION VOLTAGE APPLICATIONS

(Classified by package and arranged in order of increasing V_{CEO}, I_C. Minus sign for PNP is omitted due to space limitations.)

Type Number	Case	Applications	Absolute Maximum Ratings/Ta=25°C					Electrical Characteristics/Ta=25°C								
			V _{CEO} [V]	V _{CE0} [V]	I _C [A]	P _C *TC=25°C [W]	T _j [°C]	V _{CE(sat)}			hFE			f _T		
								I _C [A]	I _B [A]	*max [V]	V _{CE} [V]	I _C [A]		V _{CE} [V]	I _C [A]	[MHz]
2 S B 8 1 5	CP	AF Power Amp.	20	15	0.7	200m	125	5m	0.5m	15m	2	50m	200~600	10	50m	250
2 S D 1 0 4 8	CP	AF Power Amp.	20	15	0.7	200m	125	5m	0.5m	10m	2	50m	200~900	10	50m	250
2 S B 1 1 1 8	PCP	Converter, Switching	20	15	0.7	1.3	-	5m	0.5m	15m	2	50m	140~800	10	50m	250
2 S D 1 6 1 8	PCP	Converter, Switching	20	15	0.7	1.3	-	5m	0.5m	10m	2	50m	140~800	10	50m	250
2 S B 1 1 1 9	PCP	Switching, Driver	25	25	1	1.3	-	500m	50m	0.15	2	50m	100~560	10	50m	180
2 S D 1 6 1 9	PCP	Switching, Driver	25	25	1	1.3	-	500m	50m	0.1	2	50m	100~560	10	50m	180
2 S B 1 1 2 0	PCP	Strobe (3V max)	20	10	2.5	1.3	-	1.5	150m	0.25	2	500m	100~560	10	50m	250
2 S D 1 6 2 0	PCP	Strobe (3V max)	30	10	3	1.3	-	3	60m	0.3	2	3	>140	10	50m	200
2 S B 1 1 2 1	PCP	Large Current Switching	30	25	2	1.3	-	1.5	75m	0.35	2	100m	100~560	10	50m	150
2 S D 1 6 2 1	PCP	Large Current Switching	30	25	2	1.3	-	1.5	75m	0.18	2	100m	100~560	10	50m	150

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