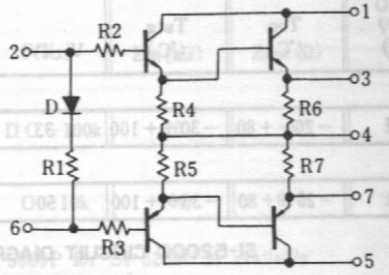
HYBRID DARLINGTON MODULES

($R_L = 8\ \Omega$)

Type No.	Vcc(Max) (V)	Vcc (V)	Icc (A)	Id (mA)		θ (℃/W)	Top (℃)	Tstg (℃)	Outline Drawing
S−40W	80or±40	60or±30	1.03	30±10	Vcc : ±30V D : 3mA	2.0	−20~80	−30~+100	1
S−60W	100or±50	80or±40	1.26	40±10	Vcc : ±40V D : 5mA	2.0	−20~80	−30~+100	1
S−80W	110or±55	90or±45	1.46	40±10	Vcc : ±45V D : 5mA	2.0	−20−80	−30~+100	2
S−100W	120or±60	100or±50	1.63	40±10	Vcc : ±50V D : 5mA	1.8	−20~80	−30~+100	2

S-40W, S-60W CIRCUIT DIAGRAM



INTERNAL COMPONENT CONSTANTS

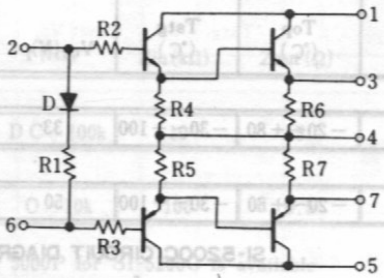
Type No.	hFE (min)	R1 (Ω)	R2 (Ω)	R3 (Ω)
S−40W	2500	Approx. 100	Nil	Nil
S−60W	2500	Approx. 50	330±30%	330±30%
S−80W	2400	Approx. 50	330±30%	330±30%
S−100W	2500	Approx. 50	330±30%	330±30%

($R_L = 8\ \Omega$)

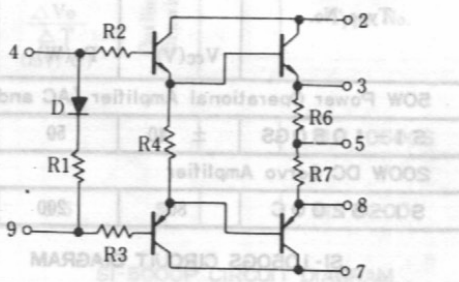
d	θ	Top	Tstg	Outline Drawing
A)	(℃/W)	(℃)	(℃)	
c : ±30V D : 3mA	2.0	−20~80	−30~+100	1
c : ±40V D : 5mA	2.0	−20~80	−30~+100	1
c : ±45V D : 5mA	2.0	−20−80	−30~+100	2
c : ±50V D : 5mA	1.8	−20~80	−30~+100	2

HYBRID DARLINGTON MODULES

S-40W, S-60W CIRCUIT DIAGRAM



S-80, S-100W CIRCUIT DIAGRAM



INTERNAL COMPONENT CONSTANTS

Type No.	hFE (min)	R1 (Ω)	R2 (Ω)	R3 (Ω)	R4 (Ω)	R5 (Ω)	R6 (Ω)	R7 (Ω)
S−40W	2500	Approx. 100	Nil	Nil	330±30%	330±30%	0.33~0.47	0.33~0.47
S−60W	2500	Approx. 50	330±30%	330±30%	330±30%	330±30%	0.33~0.47	0.33~0.47
S−80W	2400	Approx. 50	330±30%	330±30%	330~470	−	0.33~0.47	0.33~0.47
S−100W	2500	Approx. 50	330±30%	330±30%	330~470	−	0.33~0.47	0.33~0.47