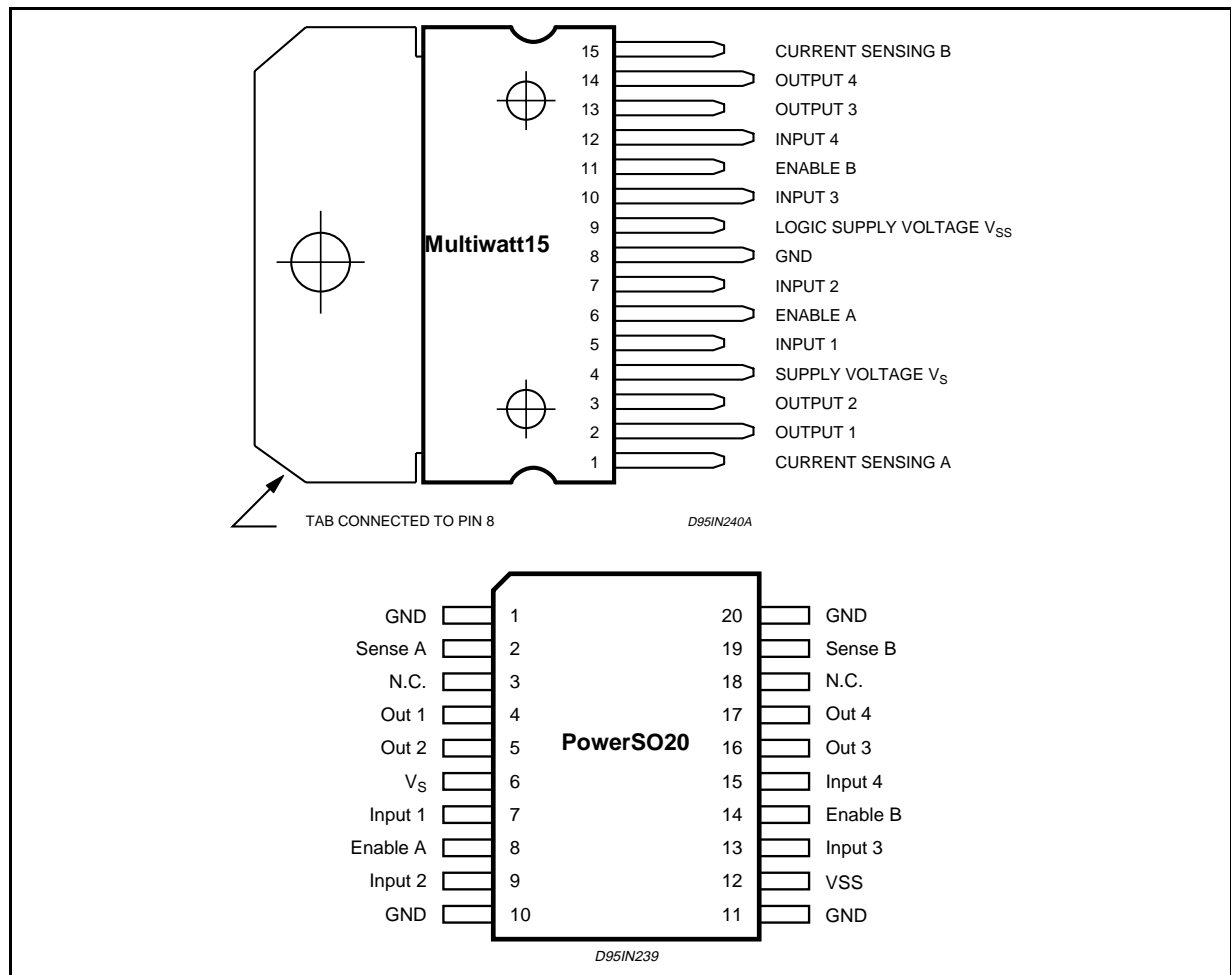


ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter	Value	Unit
V_S	Power Supply	50	V
V_{SS}	Logic Supply Voltage	7	V
V_I, V_{en}	Input and Enable Voltage	-0.3 to 7	V
I_O	Peak Output Current (each Channel)		
	– Non Repetitive ($t = 100\mu s$)	3	A
	– Repetitive (80% on –20% off; $t_{on} = 10ms$)	2.5	A
	– DC Operation	2	A
V_{sens}	Sensing Voltage	-1 to 2.3	V
P_{tot}	Total Power Dissipation ($T_{case} = 75^\circ C$)	25	W
T_{op}	Junction Operating Temperature	-25 to 130	$^\circ C$
T_{stg}, T_j	Storage and Junction Temperature	-40 to 150	$^\circ C$

PIN CONNECTIONS (top view)



THERMAL DATA

Symbol	Parameter	PowerSO20	Multiwatt15	Unit
$R_{th\ j-case}$	Thermal Resistance Junction-case	Max. –	3	$^\circ C/W$
$R_{th\ j-amb}$	Thermal Resistance Junction-ambient	Max. 13 (*)	35	$^\circ C/W$

(*) Mounted on aluminum substrate