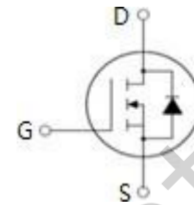


FEATURES

- Output current in excess of 1.5A
- Output voltage of -12V
- Internal thermal overload protection
- Output transition Safe-Area compensation
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



ABSOLUTE MAXIMUM RATINGS(T_a=25°C)

SYMBOL	PARAMETER	RATING	UNIT
V _i	DC input voltage	-35	V
I _o	Output current	internally limited	
P _{tot}	Power dissipation	internally limited	
T _{OP}	Operating junction temperature	0~150	°C
T _{stg}	Storage temperature	-55~150	°C

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	3	°C/W
R _{th j-a}	Thermal Resistance, Junction to Ambient	50	°C/W

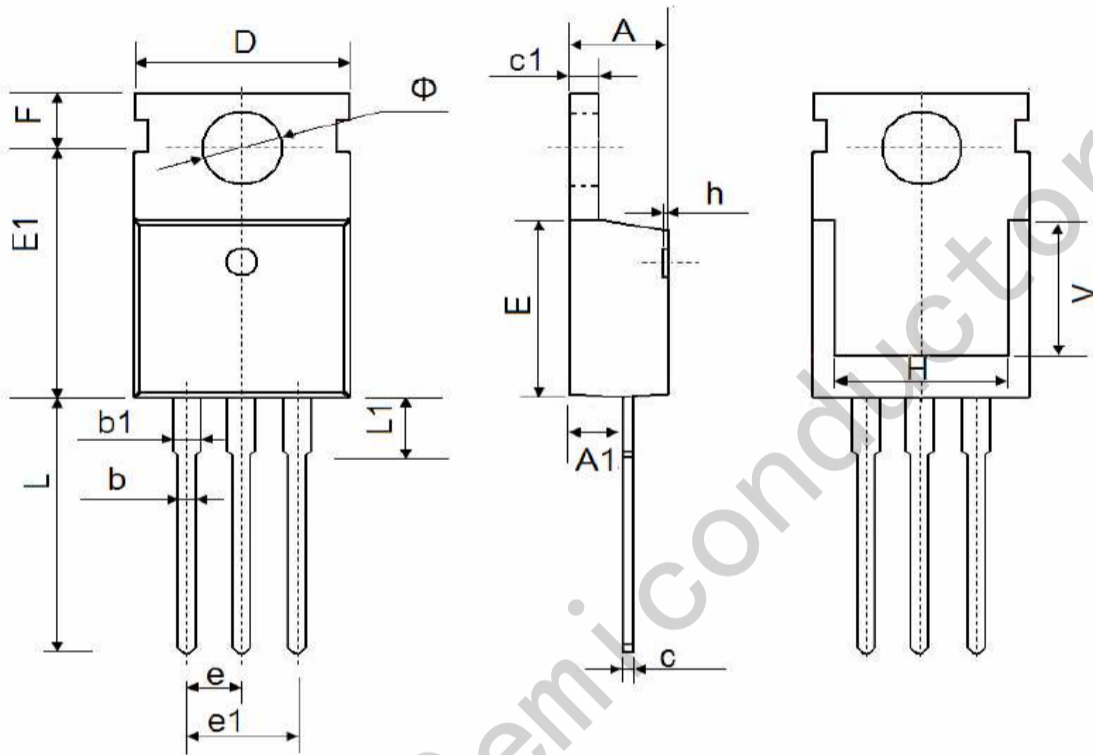
• ELECTRICAL CHARACTERISTICS
 $T_j=25^{\circ}\text{C}$ ($V_i=-15\text{V}$, $I_o=0.5\text{A}$, $C_i=2.2\mu\text{F}$, $C_o=1\mu\text{F}$ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V_o	Output Voltage	$V_{in}=-19\text{V}$; $I_o=0.5\text{A}$	-8.64	-9.0	-9.36	V
V_o	Output Voltage	$V_{in}=-15.5\text{to}-27\text{V}$; $I_o=5\text{mA to }1\text{A}$; $P_o\leq 15\text{W}$	-8.55		-9.45	V
ΔV_V	Line Regulation	$-14.5\text{V}\leq V_{in}\leq -30\text{V}$; $I_o=0.5\text{A}$ $-16\text{V}\leq V_{in}\leq -22\text{V}$; $I_o=0.5\text{A}$			240 120	mV
ΔV_i	Load Regulation	$5.0\text{mA}\leq I_o\leq 1.5\text{A}$; $250\text{mA}\leq I_o\leq 750\text{mA}$;			240 120	mV
I_d	Quiescent Current	$V_{in}=-19\text{V}$; $I_o=0.5\text{A}$			3	mA
Δ_{d1}	Quiescent Current Change	$5.0\text{mA}\leq I_o\leq 1.0\text{A}$; $V_{in}=-19\text{V}$			0.5	mA
Δ_{d2}	Quiescent Current Change	$-15\text{V}\leq V_{in}\leq -30\text{V}$; $I_o=0.5\text{A}$			1	mA

外形尺寸图 / Package Dimensions

TO-220-3L

Dimensions in mm



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	4.30	4.70	0.169	0.185
A1	2.25	2.55	0.089	0.100
b	0.71	0.91	0.028	0.036
b1	1.17	1.37	0.046	0.054
c	0.33	0.65	0.013	0.026
c1	1.20	1.40	0.047	0.055
D	9.91	10.25	0.390	0.404
E	8.95	9.75	0.352	0.384
E1	12.65	12.95	0.498	0.510
e	2.54 BSC.		0.100 BSC.	
e1	4.98	5.18	0.196	0.204
F	2.65	2.95	0.104	0.116
H	7.90	8.10	0.311	0.319
h	0.00	0.30	0.000	0.012
L	12.90	13.40	0.508	0.528
L1	2.85	3.25	0.112	0.128
V	7.500 Ref.		0.295 Ref.	
Φ	3.400	3.800	0.134	0.150