

## DESCRIPTION

- High DC current amplifier rate  
 $h_{FE}: 50-200 @ V_{CE} = 5V, I_C = 1A$
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

## APPLICATIONS

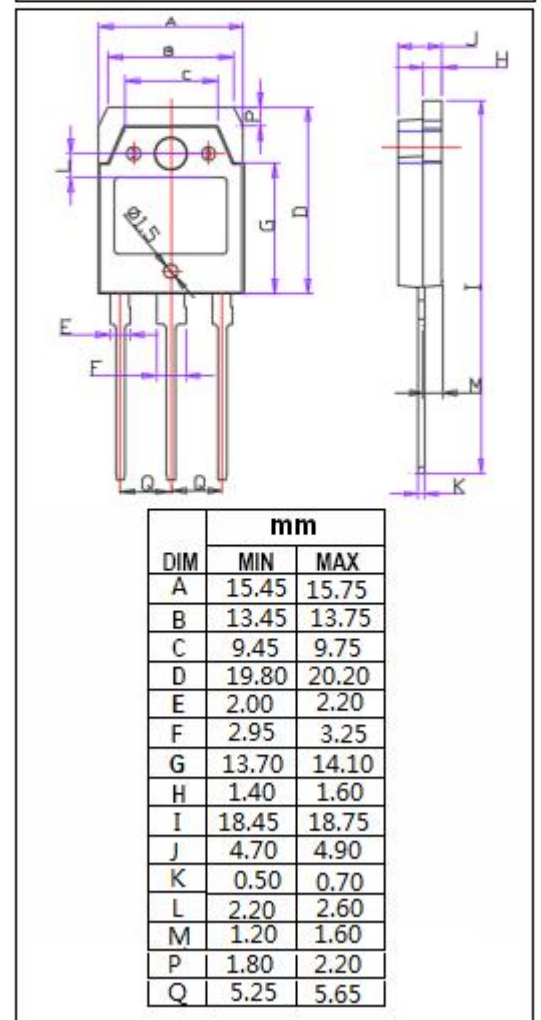
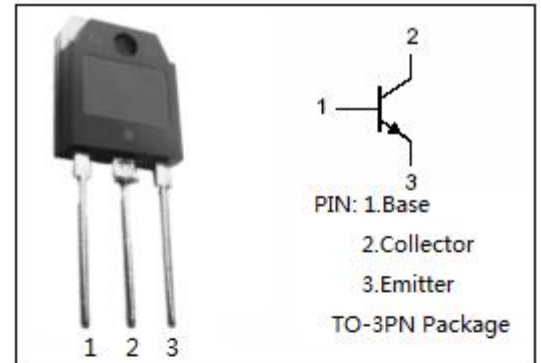
- High power audio, disk head positioners and other linear applications.

## ABSOLUTE MAXIMUM RATINGS( $T_a=25^\circ C$ )

SYMBOL	PARAMETER	VALUE	UNIT
$V_{CBO}$	Collector-Base Voltage	230	V
$V_{CEO}$	Collector-Emitter Voltage	230	V
$V_{EBO}$	Emitter-Base Voltage	5	V
$I_C$	Collector Current-Continuous	15	A
$I_{CP}$	Collector Current-Pulse	25	A
$I_B$	Base Current-Continuous	1.5	A
$P_C$	Total Power Dissipation @ $T_C=25^\circ C$	200	W
$T_J$	Junction Temperature	150	$^\circ C$
$T_{stg}$	Storage Temperature Range	-65~150	$^\circ C$

## THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	0.63	$^\circ C/W$



## Ordering Information

Product	Package	Packaging
MJW3281AT4TL	TO-3PN	Tube



## ELECTRICAL CHARACTERISTICS

$T_c=25^{\circ}\text{C}$  unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{CEO(SUS)}$	Collector-Emitter Sustaining Voltage	$I_C=100\text{mA}$ ; $I_B=0$	230		V
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C= 10\text{A}$ ; $I_B= 1\text{A}$		2	V
$V_{BE(on)}$	Base-Emitter Saturation Voltage	$I_C= 8\text{A}$ ; $V_{CE}= 5\text{V}$		2	V
$I_{CBO}$	Collector Cutoff Current	$V_{CB}= 230\text{V}$ ; $I_E=0$		50	$\mu\text{A}$
$I_{EBO}$	Emitter Cutoff Current	$V_{EB}= 5\text{V}$ ; $I_C=0$		5	$\mu\text{A}$
$h_{FE-1}$	DC Current Gain	$I_C= 100\text{mA}$ ; $V_{CE}= 5\text{V}$	50	200	
$h_{FE-2}$	DC Current Gain	$I_C= 1\text{A}$ ; $V_{CE}= 5\text{V}$	50	200	
$h_{FE-3}$	DC Current Gain	$I_C= 8\text{A}$ ; $V_{CE}= 5\text{V}$	45		
$h_{FE-4}$	DC Current Gain	$I_C= 15\text{A}$ ; $V_{CE}= 5\text{V}$	12		

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