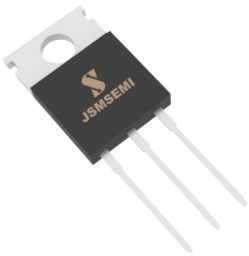
DESCRIPTION

- Collector-Emitter Breakdown Voltage
  $-V_{(BR)CEO}$=100V(Min)
- Collector-Emitter Saturation Voltage
  $-V_{CE(sat)}$= 1.5V(Max) @I_C=6A



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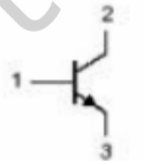
APPLICATIONS

- Designed for power amplifier,high speed switching and regulated power supply applications.



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	100	V
V_{CEO}	Collector-Emitter Voltage	100	V
V_{EBO}	Emitter-Base Voltage	5	V
I_C	Collector Current-Continuous	6	A
I_{CM}	Peak Pulse Current	10	A
P_C	Collector Power Dissipation	65	W
T_J	Junction Temperature	150	℃
T_{stg}	Storage Temperature Range	-65~150	℃

ELECTRICAL CHARACTERISTICS （T_C=25℃ unless otherwise specified）

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
$V_{CEO(SUS)}$	Collector-Emitter Breakdown Voltage	I_C=30mA; I_B= 0	100	--	--	V
I_{CES}	Collector Cutoff Current	V_{CE} = 100V;V_{EB}= 0	--	--	400	uA
I_{CEO}	Collector Cutoff Current	V_{CE} = 60V; I_E= 0	--	--	0.7	mA
I_{EBO}	Emitter Cutoff Current	V_{EB} = 5V; I_C= 0	--	--	1.0	mA
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	I_C= 6A; I_B= 1.0A	--	--	1.5	V
$V_{BE(on)}$	Base-Emitter Turn-On Voltage	I_C= 6A;V_{CE}= 4V	--	--	2.0	V
h_{FE}	DC Current Gain	I_C= 0.3A; V_{CE}= 4V	30	--	--	
h_{FE}	DC Current Gain	I_C=3A; V_{CE}= 4V	15			

Package Information

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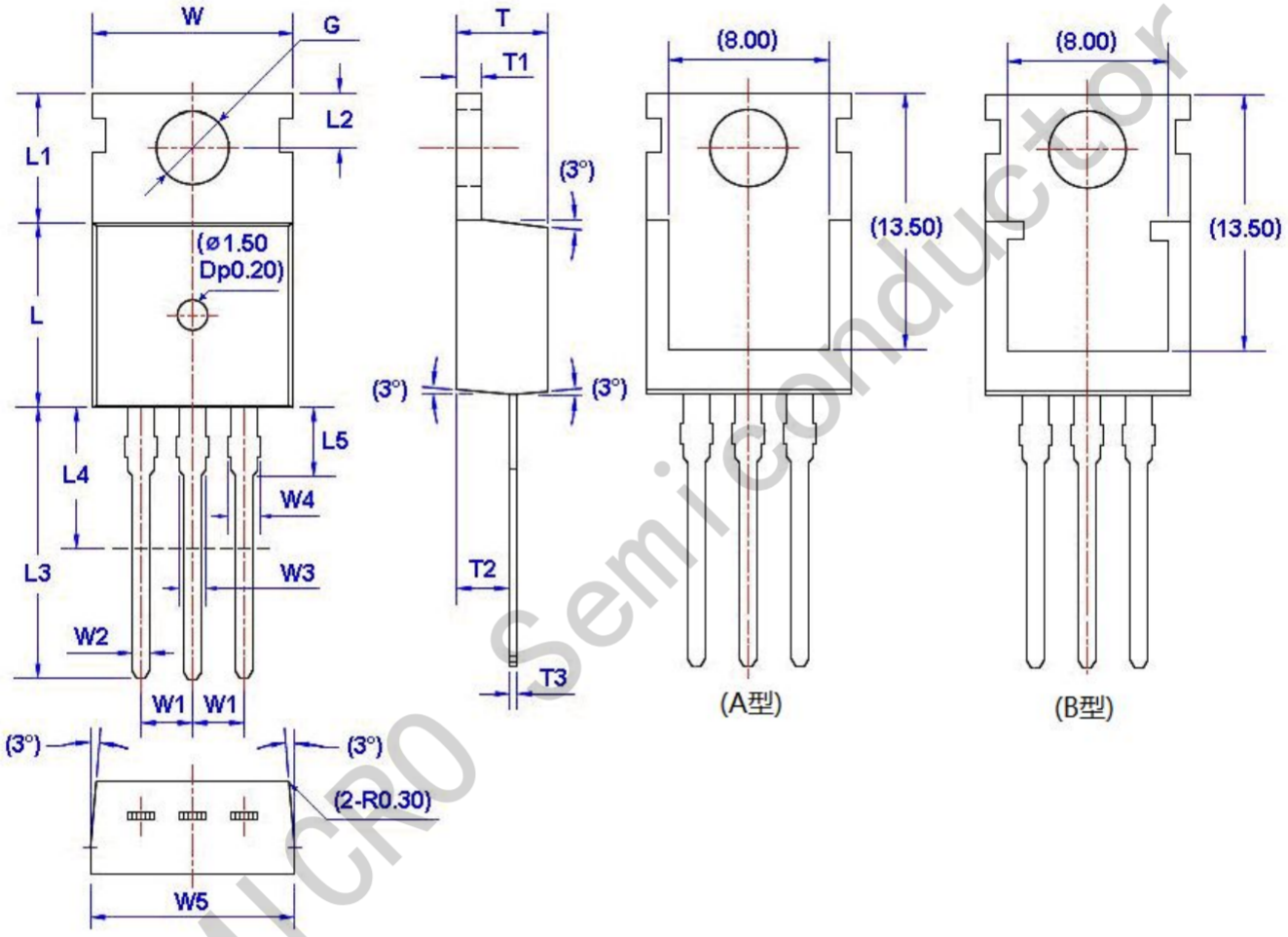

Unit: mm

Symbol	Size		Symbol	Size		Symbol	Size		Symbol	Size	
	Min	Max		Min	Max		Min	Max		Min	Max
W	9.66	10.28	W5	9.80	10.20	L4**	6.20	6.60	T3	0.45	0.60
W1	2.54（TYP）		L	9.00	9.40	L5	2.79	3.30	G(Φ)	3.50	3.70
W2	0.70	0.95	L1	6.40	6.80	T	4.30	4.70			
W3	1.17	1.37	L2	2.70	2.90	T1	1.15	1.40			
W4*	1.32	1.72	L3	12.70	14.27	T2	2.20	2.60			