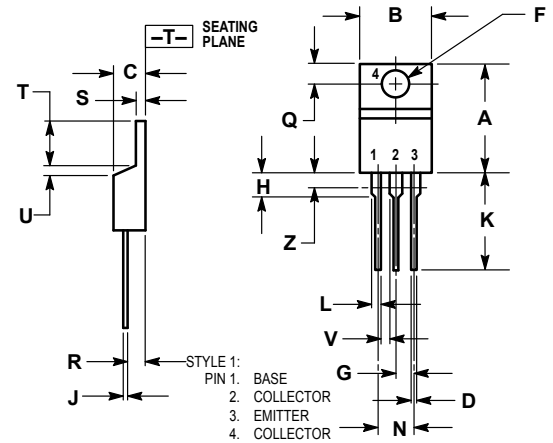
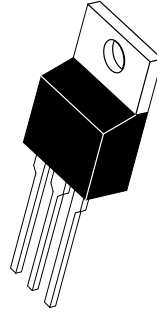


## DESCRIPTION

Designed primarily for SSB and Large-Signal amplifier applications

## FEATURES

- Specified 28V, 30MHz Characteristics
- $P_o = 15W$  PEP
- $G_p = 13$  Typ. at 15 W/30 MHz
- IMD3 = -30 dBc max. (PEP)



## DIMENSIONS

UNIT	A	B	C	D	F	G	H	J	K	L	N	Q	R	S	T	U	V	Z
mm	15.75	10.28	4.82	0.88	3.73	2.66	3.93	0.64	14.27	1.52	5.33	3.04	2.79	1.39	6.47	1.27	--	2.04
	14.48	9.66	4.07	0.64	3.61	2.42	2.8	0.46	12.70	1.15	4.83	2.54	2.04	1.15	5.97	0.00	1.15	--
inches	0.620	0.405	0.19	0.035	0.147	0.105	0.155	0.025	0.562	0.060	0.210	0.12	0.11	0.055	0.255	0.05	--	0.08
	0.570	0.380	0.16	0.025	0.142	0.095	0.110	0.018	0.500	0.045	0.190	0.10	0.08	0.045	0.235	0.00	0.045	--

## MAXIMUM RATINGS

CHARACTERISTICS	SYMBOL	RATINGS	UNITS
Collector-Base Voltage	$V_{CB0}$	65	V
Collector-Emitter Voltage	$V_{CES}$	60	V
Collector-Emitter Voltage	$V_{CEO}$	35	V
Collector Current	$I_C$	10	A
Emitter-Base Voltage	$V_{EBO}$	4	V
Collector Power Dissipation	$P_{DISS}$	30	W
Junction Temperature	$T_J$	-65 to 175	°C
Storage Temperature Range	$T_{STG}$	-65 to 175	°C

## ELECTRICAL CHARACTERISTICS

CHARACTERISTICS	SYMBOL	TEST CONDITIONS	MIN.	TYP.	MAX.	UNITS
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=20mA, I_B=0$	35	-	-	V
Collector-Emitter Breakdown Voltage	$V_{(BR)CES}$	$I_C=50mA, V_{BE}=0$	60	-	-	V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=5mA, I_C=0$	4	-	-	V
DC Current Gain	$h_{FE}$	$V_{CE}=5V, I_C=0.5A$	10	30	-	
Collector Output Capacitance	$C_{ob}$	$V_{CB}=28V, I_E=0$ $f=10MHz$	-	85	100	pF
Power Gain	$G_p$	$V_{CC}=28V, P_{OUT}=15W$	10	13	-	dB
Collector Efficiency	$\eta_c$	$I_{CQ}=20mA, f=30MHz$	40	-	-	%
Intermodulation Distortion	IMD3		-	-35	-30	dBc
Series Equivalent Input Impedance	$Z_{IN}$	$V_{CC}=28V, P_{OUT}=15W$	-	27 - j1.5	-	$\Omega$
Series Equivalent Output Impedance	$Z_{OUT}$	$f=30MHz$	-	50	-	$\Omega$

Note : Above parameters , ratings , limits and conditions are subject to change .