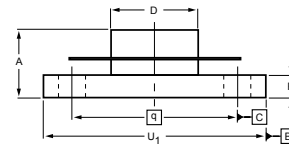


DESCRIPTION

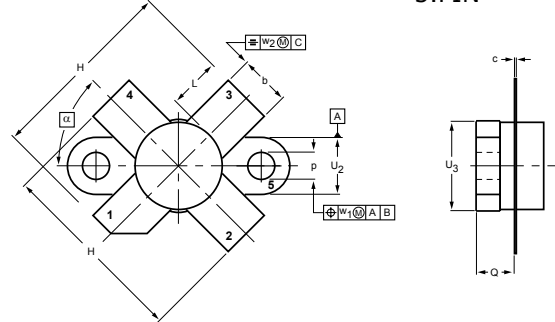
Designed primarily for 28V power amplifier application in HF and VHF Band



1. Collector
2. EMITTER
3. BASE
4. EMITTER
5. FIN

FEATURES

- Specified 28V, 28MHz Characteristics
- $P_o = 30W$
- $G_p = 21$ dB typ. at 30 W/28 MHz
- Omnigold™ Metalization System



DIMENSIONS

NOTE: ALL ELECTRODES ARE ISOLATED FROM FLANGE.

UNIT	A	b	c	D	D ₁	F	H	L	p	Q	q	U ₁	U ₂	U ₃	w ₁	w ₂	α
mm	7.47 6.37	5.82 5.56	0.18 0.10	9.73 9.47	9.63 9.42	2.72 2.31	20.71 19.93	5.61 5.16	3.33 3.04	4.63 4.11	18.42	25.15 24.38	6.61 6.09	9.78 9.39	0.51	1.02	45°
inches	0.294 0.251	0.229 0.219	0.007 0.004	0.383 0.373	0.397 0.371	0.107 0.091	0.815 0.785	0.221 0.203	0.131 0.120	0.182 0.162	0.725	0.99 0.96	0.26 0.24	0.385 0.370	0.02	0.04	

MAXIMUM RATINGS

CHARACTERISTICS	SYMBOL	RATINGS	UNITS
Collector-Base Voltage	V_{CB0}	70	V
Collector-Emitter Voltage	V_{CES}	70	V
Collector-Emitter Voltage	V_{CEO}	35	V
Collector Current(Peak)	I_C	10	A
Emitter-Base Voltage	V_{EBO}	4	V
Collector Power Dissipation	P_{DISS}	80	W
Junction Temperature	T_J	-65 to 200	°C
Storage Temperature Range	T_{STG}	-65 to 175	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTICS	SYMBOL	TEST CONDITIONS	MIN.	TYP.	MAX	UNITS
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=10mA, I_B=0$	35	-	-	V
Collector-Emitter Breakdown Voltage	$V_{(BR)CES}$	$I_C=10mA, V_{EB}=0$	70	-	-	V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=10mA, I_C=0$	4	-	-	V
Collector Cutoff Current	I_{CBO}	$(V_{CB} = 36 V, I_E = 0)$	-	-	4	mA
DC Current Gain	h_{FE}	$V_{CE}=5V, I_C=1.25A$	10	-	180	
Collector Output Capacitance	C_{ob}	$V_{CB}=28V, I_E=0$ $f=1MHz$	-	50	-	pF
Power Gain	G_p	$V_{CC}=28V, P_{OUT}=30W,$	-	21.0	-	dB
Collector Efficiency	η_C	$f=28MHz$	-	40.0	-	%

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