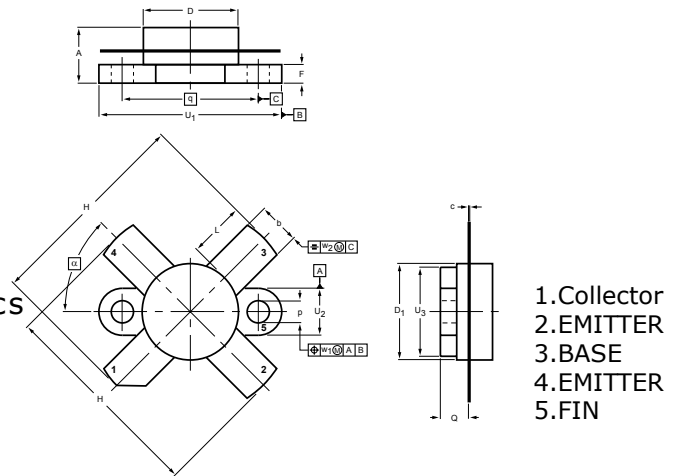


DESCRIPTION

Designed primarily for HF/VHF power amplifier application

FEATURES

- Specified 28V, 28MHz/87.5M Characteristics
- $P_o = 130W$
- $G_p = 12 \text{ dB min. at } 130 \text{ W/28 MHz}$
- $G_p = 7.5 \text{ dB typ. at } 130 \text{ W/87.5 MHz}$


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	7.27	5.82	0.16	12.86	12.83	2.67	28.45	7.93	3.30	4.45	18.42	24.90	6.48	12.32	0.51	1.02	45°
	6.17	5.56	0.10	12.59	12.57	2.41	25.52	6.32	3.05	3.91		24.63	6.22	12.06			
inches	0.286	0.229	0.006	0.506	0.505	0.105	1.120	0.312	0.130	0.175	0.725	0.98	0.255	0.485	0.02	0.04	
	0.243	0.219	0.004	0.496	0.495	0.095	1.005	0.249	0.120	0.154		0.97	0.245	0.475			

MAXIMUM RATINGS

CHARACTERISTICS	SYMBOL	RATINGS	UNITS
Collector-Base Voltage	V_{CB0}	75	V
Collector-Emitter Voltage	V_{CES}	75	V
Collector-Emitter Voltage	V_{CEO}	35	V
Collector Current(peak)	I_{CM}	30	A
Emitter-Base Voltage	V_{EBO}	4	V
Collector Power Dissipation	P_{DISS}	250	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	$V_{(BR)CEO}$	$I_C=100mA, I_B=0$	75	-	-	V
Collector-Emitter Breakdown Voltage	$V_{(BR)CES}$	$I_C=50mA, V_{EB}=0$	75	-	-	V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=10mA, I_C=0$	4	-	-	V
Collector Cutoff Current	I_{CBO}	$(V_{CB} = 30 \text{ V}, I_E = 0)$	-	-	5	mA
DC Current Gain	h_{FE}	$V_{CE}=5V, I_C=7A$	10	-	120	
Collector Output Capacitance	C_{ob}	$V_{CB}=28V, I_E=0$ $f=1MHz$	-	-	280	pF
Power Gain	G_p	$V_{CC}=28V, P_{OUT}=130W,$ $f=28MHz$	12.0	-	-	dB
Collector Efficiency	η_C		40	-	-	%

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