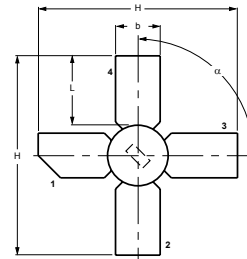
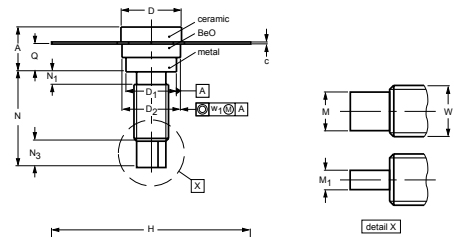


DESCRIPTION

Designed primarily for wideband large-signal driver and predriver amplifier stages in 200–500 MHz frequency range.

FEATURES

- Specified 28V, 400MHz Characterist
- $P_o = 10W$ PEP
- $G_p = 10$ dB min. at 10 W/400 MHz
- Omnigold™ Metalization System



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

DIMENSIONS

NOTE: ALL ELECTRODES ARE ISOLATED FROM FLANGE.

UNIT	A	b	c	D	D ₁	D ₂	H	L	M ₁	M	N	N ₁ max.	N ₃	Q	W	w ₁	α
mm	5.97 4.74	5.85 5.58	0.18 0.14	7.50 7.23	6.48 6.22	7.24 6.93	27.56 25.78	9.91 9.14	3.18 2.66	1.66 1.39	11.82 11.04	1.02	3.86 2.92	3.38 2.74	8-32 UNC	0.381	90°

MAXIMUM RATINGS

CHARACTERISTICS	SYMBOL	RATINGS	UNITS
Collector-Base Voltage	V_{CB0}	65	V
Collector-Emitter Voltage	V_{CES}	65	V
Collector-Emitter Voltage	V_{CEO}	40	V
Collector Current	I_C	1.1	A
Emitter-Base Voltage	V_{EBO}	4	V
Collector Power Dissipation	P_{DISS}	27	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	$V_{(BR)CEO}$	$I_C=20mA, I_B=0$	40	-	-	V
Collector-Emitter Breakdown Voltage	$V_{(BR)CES}$	$I_C=20mA, V_{EB}=0$	65	-	-	V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=2mA, I_C=0$	4	-	-	V
Collector Cutoff Current	I_{CBO}	($V_{CB} = 30V, I_E = 0$)			0.5	mA
DC Current Gain	h_{FE}	$V_{CE}=5V, I_C=0.5A$	10	-	120	
Collector Output Capacitance	C_{ob}	$V_{CB}=28V, I_E=0$ $f=1MHz$	-	-	15	pF
Power Gain	G_p	$V_{CC}=28V, P_{OUT}=10W$	10.0	-	-	dB
Collector Efficiency	η_c	Idle=100mA, f=400M	-	60.0	-	%

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