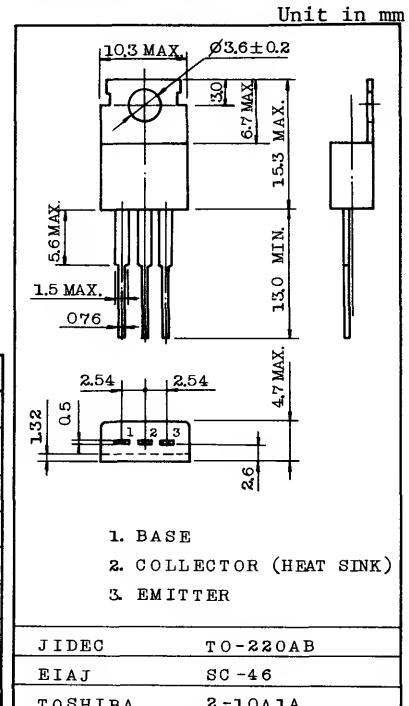


27 MHz POWER AMPLIFIER APPLICATIONS.

FEATURES:

- Recommended for Output Stage Application of AM 4W Transmitter.
- High Power Gain.



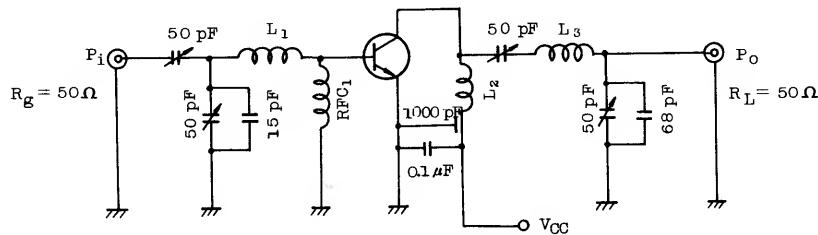
Mounting Kit No. AC75
Weight : 1.9g

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector-Base Voltage		V _{CBO}	V _{CB} =30V, I _C =0	-	-	10	μA
Collector-Emitter Voltage R _{BE} =10Ω		V _{CER}	V _{CE} =20V, I _B =0	-	-	100	μA
Breakdown Voltage	Collector-Base	V _{(BR)CBO}	I _C =1.0mA, I _E =0	65	-	-	V
	Collector-Emitter	V _{(BR)CER}	I _C =10mA, R _{BE} =10Ω	65	-	-	
	Emitter-Base	V _{(BR)EBO}	I _E =1.0mA, I _C =0	4.0	-	-	
DC Current Gain		h _{FE(1)}	V _{CE} =5V, I _C =0.5A (Note)	15	-	-	
		h _{FE(2)}	V _{CE} =5V, I _C =1.5A (Note)	10	-	-	
Collector Emitter Saturation Voltage		V _{CE(sat)}	I _C =0.5A, I _B =0.05A	-	0.5	1.0	V
Transition Frequency		f _T	V _{CE} =5V, I _C =100mA	100	-	-	MHz
Collector Output Capacitance		C _{ob}	V _{CB} =10V, I _E =0, f=1MHz	-	30	45	pF
Output Power Fig.		P _O	V _{CC} =12V, P _i =0.4W I _{DC} =415mA(Typ.), f=27MHz	3.0	-	-	W

Note : Pulse Test : Pulse Width ≤ 300μs, Duty Cycle ≤ 2.0%

Fig. P_0 TEST CIRCUIT



L_1 : ϕ 0.5 mm ENAMEL COATED COPPER WIRE, 7 T, 8 mm I.D

L_2 : ϕ 0.5 mm ENAMEL COATED COPPER WIRE, 5 T, 8 mm I.D

L_3 : ϕ 0.3 mm ENAMEL COATED COPPER WIRE, 18T, 6 mm I.D

RFC₁ : ϕ 0.2 mm ENAMEL COATED COPPER WIRE, 76T, 5 mm I.D