

HH38WXST Tx DRIVER

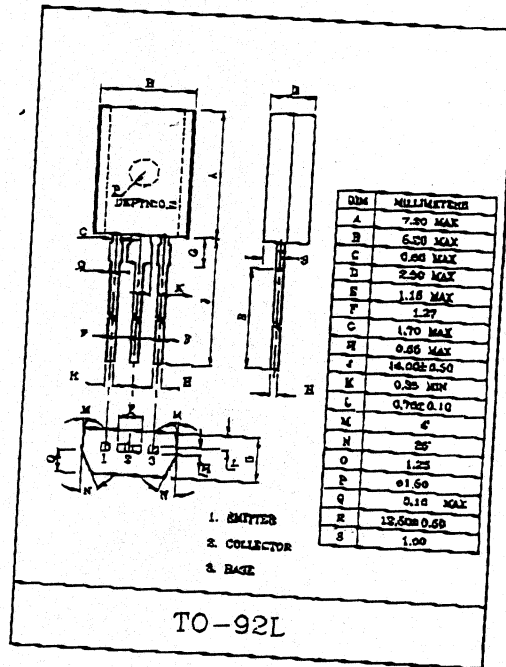
CB TRANSCEIVER TX DRIVER APPLICATION.

FEATURES

- Recommended for Driver Stage Application of AM 4W Transmitter.
- High Power Gain.
- Wide Area of Safe Operation.

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CB0}	80	V
Collector-Emitter Voltage	V _{CE0}	80	V
Emitter-Base Voltage	V _{EB0}	5	V
Collector Current	I _c	800	mA
Emitter Current	I _E	-800	mA
Collector Power Dissipation	P _c	1	W
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	-55-150	°C



ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I _{c0}	V _{CB} =60V, I _E =0	-	-	0.1	μA
Collector Cut-off Current	I _{cER}	V _{CE} =80V, R _{BE} =220Ω	-	-	0.1	μA
Emitter Cut-off Current	I _{E0}	V _{EB} =5V, I _C =0	-	-	0.1	μA
DC Current Gain	h _{FE}	V _{CE} =2V, I _C =150mA	100	-	-	
Collector-Emitter Saturation Voltage	V _{CE(sat)}	I _C =500mA, I _B =20mA	-	-	0.7	V
Base-Emitter Voltage	V _{BE}	V _{CE} =2V, I _C =500mA	-	0.9	-	V
Transition Frequency	f _T	V _{CE} =10V, I _C =100mA	-	150	-	MHz
Collector Output Capacitance	C _{ob}	V _{CB} =10V, I _B =0, f=1MHz	-	12	-	pF

KTC1006

