

2N6082

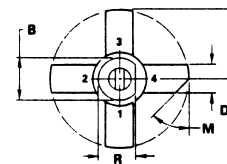
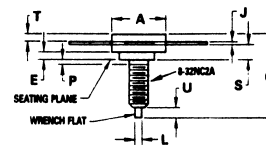
NPN SILICON RF POWER TRANSISTORS

... designed for 12.5 Volt VHF large-signal amplifier applications required in commercial and industrial equipment operating to 300 MHz.

- Specified 12.5 Volt, 175 MHz Characteristics —
 - Output Power = 25 W
 - Minimum Gain = 6.2 dB
 - Efficiency = 65%

*MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Collector-Emitter Voltage	V _{CEO}	18	Vdc
Collector-Base Voltage	V _{CB0}	36	Vdc
Emitter-Base Voltage	V _{EB0}	4.0	Vdc
Collector Current — Continuous	I _C	5.0	Adc
Total Device Dissipation @ T _C = 25°C(2) Derate above 25°C	P _D	65 .37	Watts W/°C
Storage Temperature Range	T _{stg}	-65 to +200	°C
Stud Torque(1)	—	6.5	in.lb.



STYLE 1:
 PIN 1. EMITTER
 2. BASE
 3. EMITTER
 4. COLLECTOR

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	9.40	9.78	0.370	0.385
B	8.13	8.38	0.320	0.330
C	17.02	20.07	0.670	0.790
D	5.46	5.97	0.215	0.235
E	1.78	—	0.070	—
J	0.08	0.18	0.003	0.007
K	12.45	—	0.490	—
L	1.40	1.78	0.055	0.070
M	45° NOM		45° NOM	
P	—	1.27	—	0.050
R	7.59	7.90	0.299	0.307
S	4.01	4.52	0.158	0.178
T	2.11	2.54	0.083	0.100
U	2.49	3.35	0.098	0.132

