MAXIMUN Inches/nr

.006/0,15

.065/1,65

.095/2,41

195/4,95

.468/11,89



NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

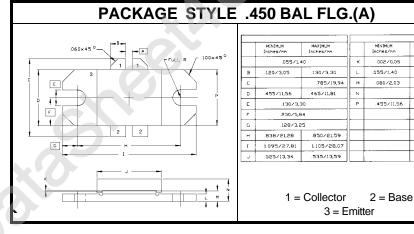
The ASI SD1490 is a Common Emitter Device Designed for Class A and AB Amplifier Applications in Television Band IV & V Transmitters.

FEATURES INCLUDE:

- Gold Metalization
- Emitter Ballasting
- Internal Matching

MAXIMUM RATINGS

Ιc	8.0 A				
V_{CB}	45 V				
P _{DISS}	155 W @ $T_{C} = 25 {}^{O}C$				
ΤJ	-55 ^o C to +200 ^o C				
T _{STG}	-55 $^{\circ}$ C to +200 $^{\circ}$ C				
d ic	1.15 ^O C/W				



CHARACTERISTICS $T_c = 25 \ ^{\circ}C$

SYMBOL	TEST CONDITIONS (P	MINIMUM	TYPICAL	MAXIMUM	UNITS	
BV _{CEO}	I _c = 200 mA		30			V
BV _{CBO}	$I_{\rm C} = 50 {\rm mA}$		45			V
\mathbf{BV}_{EBO}	I _E = 10 mA		3.0			V C
h _{FE}	$V_{CE} = 5.0 \text{ V}$ $I_{C} = 3.0 \text{ A}$		10		100	Ð
Сов	V _{CB} = 28 V	f = 1.0 MHz		72		pF
G _P	$V_{CE} = 26.5 \text{ V}$ $I_{C} = 2 \text{ X} 1.6 \text{ A}$	f = 860 MHz	8.0	9.0		dB
G _p	$V_{CE} = 28 V$ $I_{C} = 2 X 250 mA$ $P_{out} = 50 W$	f = 860 MHz	7.0	8.0	cher	dB
IMD ₃	$V_{CE} = 26.5 \text{ V} P_{out} = 25 \text{ W}$ VISION = -8.0dB SOUND = -10 dB	f = 860 MHz CHROMA = -16dB		ð	-45	dBc

N. A D V A N C E D S E M I C O N D U C T O R, I N C 7525 ETHEL AVENUE • NORTH HOLLYWOOD, CA 91605 • (818) 982-1200 • FAX (818) 765-3004