

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

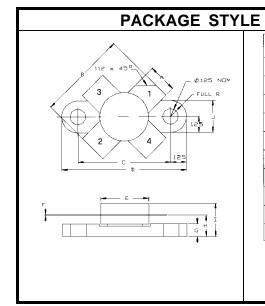
The ASI S15-28 is Designed for Class AB or C, Common Emitter Linear HF Communications Applications.

FEATURES INCLUDE:

• High Power Gain **Emitter Ballasting**

MAXIMUM RATINGS

Ic	3.0 A			
V_{CB}	65 V			
P _{DISS}	$30 \text{ W} @ \text{T}_{\text{C}} = 25 ^{\text{O}}\text{C}$			
T_J	-55 °C to +200 °C			
T _{STG}	-55 °C to +200 °C			
quc	5.8 ^O C/W			



	MINIMUM Inches/mm	MAX[MUM Inches/mm
А	220/5,59	.230/5,84
В	980/24,89	
С	370/9,40	.385/9,78
D	004/0,10	.007/0,18
E	320/8,13	.330/8,38
F	100/2,54	.130/3,30
G	450/11,43	490/12,45
н	.090/2,29	.100/2.54
I	.155/3,94	.175/4,45
J		.750/19,05

3 & 4 = EMITTER

CHARACTERISTICS T_C = 25 °C

SYMBOL	T	MINIMUM	TYPICAL	MAXIMUM	UNITS		
BV _{CBO}	$I_{\rm C} = 200 \; {\rm mA}$			65			V
BV _{CEO}	I _C = 200 mA			35			٧
BV _{EBO}	$I_E = 10 \text{ mA}$			4.0			٧
I _{CBO}	$V_{CB} = 30 \text{ V}$					1.0	mA
h _{FE}	$V_{CE} = 5.0 \text{ V}$	$I_C = 200 \text{ mA}$		10			
C _{ob}	V _{CB} = 30 V		f = 1.0 MHz			35	pF
P _{out} P _g h _c	V _{CE} = 28 V	P _{in} = 500 mW	fo = 30 MHz	15 15 	 18 65		W dB %

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