

# NPN RF POWER TRANSISTOR

#### **DESCRIPTION**

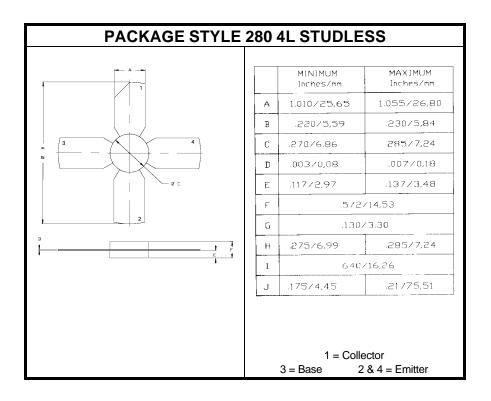
The **ASI SRF 1318** is a Common Emitter Device Designed for Class C Amplifier Applications up to 1 GHz.

### **FEATURES INCLUDE:**

- High Gain
- Gold Metallization
- · Emitter Ballasting

#### **MAXIMUM RATINGS**

Ic	1.7 A				
$V_{CBO}$	36 V				
P <sub>DISS</sub>	15 W @ T <sub>C</sub> = 25 <sup>O</sup> C				
TJ	-55 °C to +200 °C				
T <sub>STG</sub>	-55 °C to +200 °C				
<b>q</b> JC	12 <sup>O</sup> C/W				



## CHARACTERISTICS T<sub>C</sub> = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV <sub>CBO</sub>	$I_C = 10 \text{ mA}$	36			V
BV <sub>CEO</sub>	$I_C = 50 \text{ mA}$	16			٧
BV <sub>EBO</sub>	I <sub>E</sub> = 2.0 mA	4.0			٧
h <sub>FE</sub>	$V_{CE} = 5.0 \text{ V}$ $I_{C} = 200 \text{ mA}$	20			
Сов	$V_{CB} = 12.5 \text{ V}$ f = 1.0 MHz		19		pF
*P <sub>G</sub>					dB
*hc					%

<sup>\*</sup> RF SPECIFICATIONS ARE CONTROLLED BY CUSTOMER DRAWING AND ARE PROPRIETARY.