

**DESCRIPTION:**

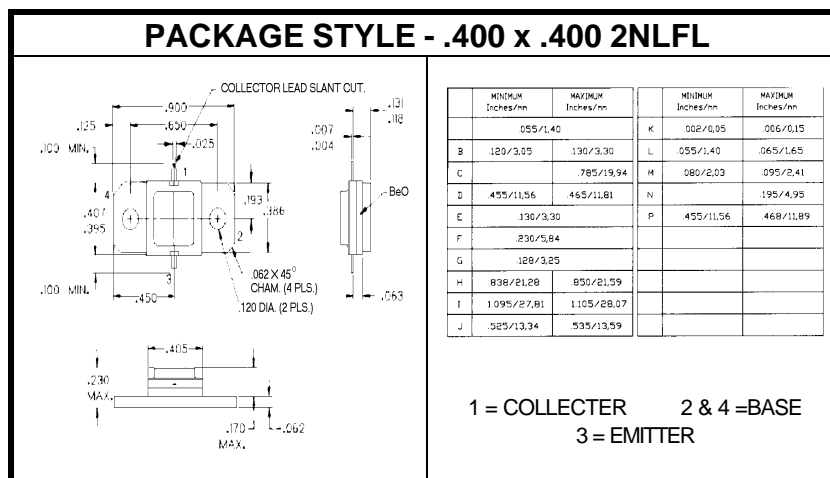
The **ASI 1214-060** is a Common Base Transistor Designed for Long Pulse High Reliability L-Band Radar Applications.

### FEATURES INCLUDE:

- Gold Metallization
- Hermetic Package
- Input/Output Matching

## MAXIMUM RATINGS

<b>I<sub>C</sub></b>	5.0 A
<b>V<sub>CB</sub></b>	55 V
<b>P<sub>DISS</sub></b>	125 W @ T <sub>C</sub> = 25 °C
<b>T<sub>J</sub></b>	-65 °C to +200 °C
<b>T<sub>STG</sub></b>	-65 °C to +200 °C
<b>q<sub>JC</sub></b>	1.4 °C/W



### CHARACTERISTICS $T_C = 25\text{ }^{\circ}\text{C}$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
<b>BV<sub>CBO</sub></b>	I <sub>C</sub> = 20 mA	55			<b>V</b>
<b>BV<sub>CER</sub></b>	I <sub>C</sub> = 40 mA                      R <sub>BE</sub> = 10 Ω	55			<b>V</b>
<b>BV<sub>EBO</sub></b>	I <sub>E</sub> = 2 mA	3.5			<b>V</b>
<b>I<sub>CES</sub></b>	V <sub>CE</sub> = 28 V			10	<b>mA</b>
<b>h<sub>FE</sub></b>	V <sub>CE</sub> = 5 V                      I <sub>C</sub> = 2.0 A	15		150	<b>—</b>
<b>P<sub>G</sub></b>	V <sub>CC</sub> = 28 V    P <sub>OUT</sub> = 55 W    f = 1214 to 1400 MHz	6.6	7.2		<b>dB</b>
<b>h<sub>c</sub></b>	Pulse Width = 1000 μS                      Duty Cycle = 10%	50	55		<b>%</b>