

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

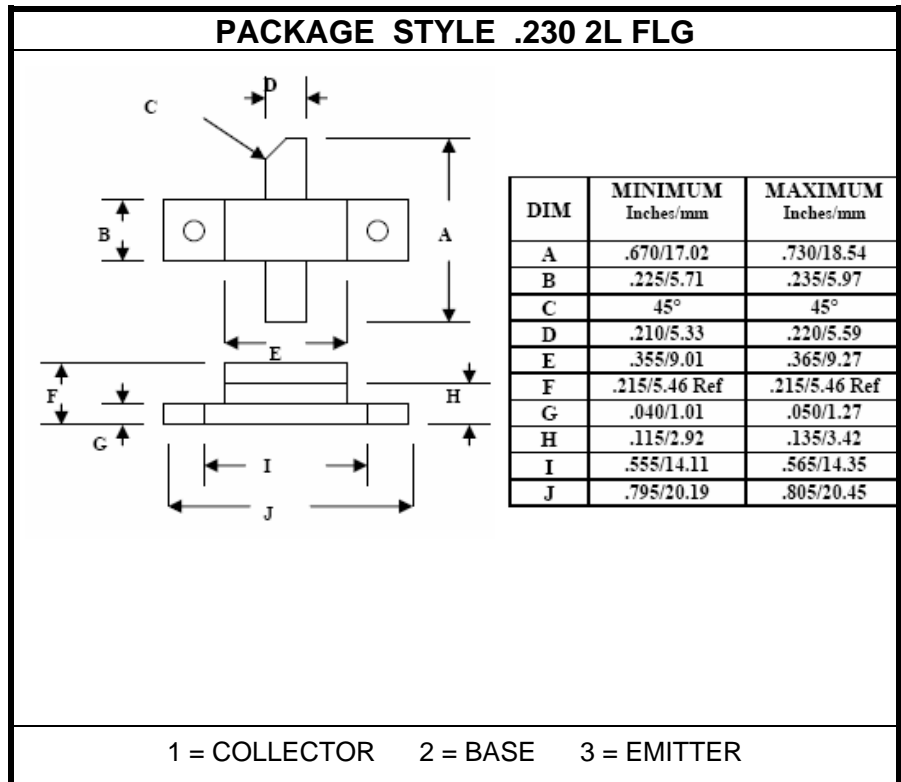
The **ASI CD2397** is a common base NPN Bipolar Microwave Transistor. It is designed for Pulse Applications within the 960 to 1215 MHz Avionics frequency range.

FEATURES:

- Common Base Pulse at 43V
- All gold metallization with emitter ballast resistors for maximum reliability and superior ruggedness.
- DME Cycle. Internal input Matched.
- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	5.0 A
V_{CES}	50 V
V_{EBO}	4.0 V
P_{DISS}	300 W @ T _C = 25 °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	0.60 °C/W


CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CES}	I _C = 15 mA	50			V
BV_{EBO}	I _E = 10 mA	4.0			V
h_{FE}	V _{CE} = 5.0 V I _C = 200 mA	10			---
η_C	V _{CC} = 43 V P _{IN} = 27 W f = 1090 MHz		40		%
P_{OUT}	PW = 10 μS		150		W