

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

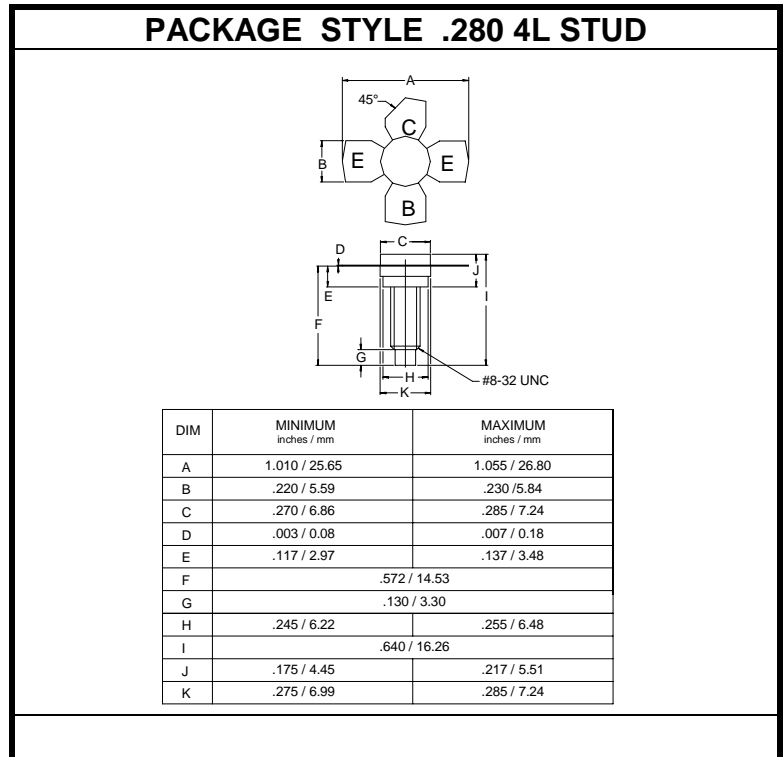
The **ASI UTV005** is Designed for Class A, UHF Television – Band IV and V Applications up to 860 MHz.

FEATURES:

- Common Emitter
- $P_G = 11$ dB at 0.5 W/470-860 MHz
- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	0.75 A
V_{CEO}	24 V
V_{CES}	45 V
V_{EBO}	3.5 V
P_{DISS}	8.0 W @ $T_C = 25$ °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	22 °C/W


CHARACTERISTICS $T_C = 25$ °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	$I_C = 20$ mA	24			V
BV_{CES}	$I_C = 10$ mA	45			V
BV_{EBO}	$I_E = 1.0$ mA	3.5			V
h_{FE}	$V_{CE} = 5.0$ V $I_C = 100$ mA	20	---	---	---
C_{ob}	$V_{CB} = 20$ V $f = 1.0$ MHz		5.0		pF
P_G IMD^3 $VSWR_1$	$V_{CC} = 20$ V $P_{OUT} = 0.5$ W $I_C = 220$ mA $f = 470$ -860 MHz		11 -60		dB dB ---