

NPN SILICON RF POWER TRANSISTOR

DESCRIPTION:

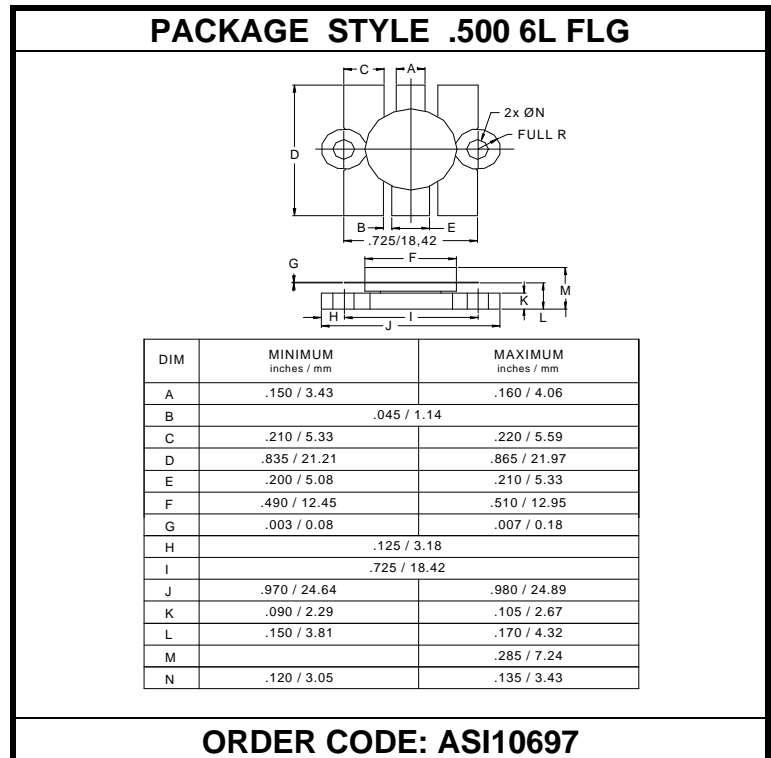
The ASI UML70 is Designed for

FEATURES:

- Internal Input Matching Network
- **Omnigold™** Metalization System

MAXIMUM RATINGS

I_C	8.0 A
V_{CB0}	60 V
V_{CEO}	30 V
V_{CES}	60 V
V_{EBO}	4.0 V
P_{DISS}	140 W @ T _C = 25 °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	1.25 °C/W


CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{CEO}	I _C = 50 mA	30			V
BV_{CES}	I _C = 50 mA	60			V
BV_{EBO}	I _E = 5.0 mA	4.0			V
I_{CEO}	V _{CE} = 30 V			5.0	mA
h_{FE}	V _{CE} = 5.0 V I _C = 2.0 A	10		80	---
C_{OB}	V _{CB} = 28 V f = 1.0 MHz			80	pF
P_G η_D	V _{CC} = 28 V P _{OUT} = 70 W f = 400 MHz	8.5	60		dB %