

VHF POWER MOSFET

N-Channel Enhancement Mode

DESCRIPTION:

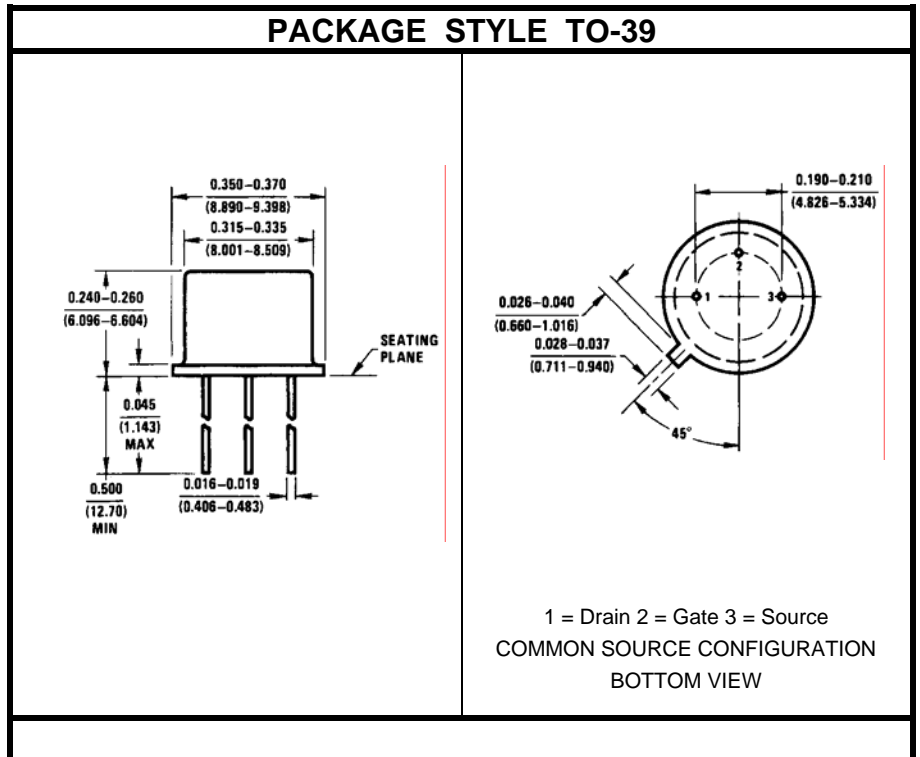
The **ASI MRF134-39** is intended for use in 28 VDC large signal Applications, from 2.0 to 400 MHz.

FEATURES INCLUDE:

- $P_G = 14$ dB Typical at 150 MHz
- **Omnigold™** Metalization System
- Class-A or AB

MAXIMUM RATINGS

I_D	0.9 A
V_{DSS}	65 V
V_{DGR}	65 V
V_{GS}	± 40 V
P_{DISS}	17.5 W @ $T_C = 25$ °C
T_J	-65 °C to +200 °C
T_{STG}	-65 °C to +150 °C
θ_{JC}	10 °C/W


CHARACTERISTICS $T_C = 25$ °C

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
BV_{DSS}	$I_{DS} = 5.0$ mA		65			V
I_{DSS}	$V_{DS} = 28$ V	$V_{GS} = 0$ V			1.0	mA
I_{GSS}	$V_{DS} = 0$ V	$V_{GS} = 20$ V			1.0	μ A
$V_{GS(th)}$	$I_D = 10$ mA	$V_{DS} = 10$ V	1.0		6.0	V
g_{fs}	$I_D = 100$ mA	$V_{DS} = 10$ V	.08		0.11	mho
C_{iss} C_{oss} C_{rss}	$V_{GS} = 28$ V	$V_{DS} = 0$ V		7.0 9.7 2.3		pF
P_G η_D	$V_{DD} = 28$ V $P_{IN} = 0.39$ W	$I_{DQ} = 50$ mA	$P_{out} = 5.0$ W	11 50	14 55	dB %
NF	$I_D = 28$ V	$V_{DS} = 28$ V		2.0		dB