RF HYBRID AMPLIFIER

DESCRIPTION:

The **MWA130** is Designed for broadband linear Applications up to 400 MHz Frequency Range.

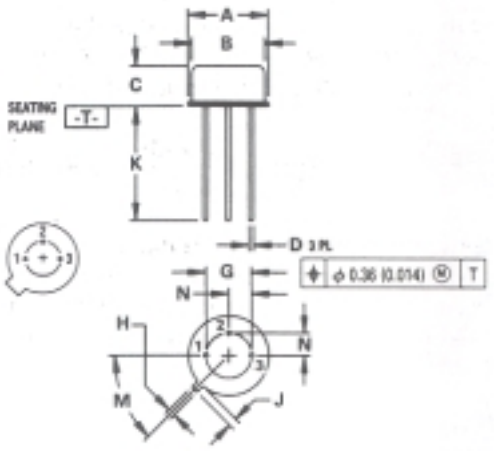
FEATURES:

- **P_G** = 14 dB Typical
- **P_{1dB}** = +18.0 dBm Typical
- **50 Ω** Input/ Output Impedance

MAXIMUM RATINGS

V_D	5.5 V
I_D	60 mA
P_{DISS}	350 mW @ T_C = 25 °C
RF_{INPUT}	100 mW @ T_C = 25 °C
T_C	-65 to +125 °C
T_{STG}	-65 to +200 °C
θ_{JC}	110 °C/W

PACKAGE STYLE



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	8.51	9.39	0.335	0.370
B	7.75	8.50	0.305	0.335
C	3.81	4.57	0.165	0.019
D	0.41	0.48	0.016	0.019
G	5.08 BSC		0.200 BSC	
H	0.72	0.86	0.028	0.034
J	0.74	0.14	0.029	0.045
K	12.70	--	0.500	--
M	45° BSC		45° BSC	
N	2.54 BSC		0.100 BSC	

1 = Input 2 = output 3 = gnd. (CASE)

CHARACTERISTICS T_A = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_D	I_D = 60 mA	5.0	5.8	6.5	**V**
G_P	V_D = 3.1 V I_D = 60 mA f = 1,00 MHz	13	14		**dB**
NF			7.0		**dB**
P_{1dB}		10.0	±18		**dBm**
P_{R1}			16.8		**dB**
VSWR				3:1	**---**