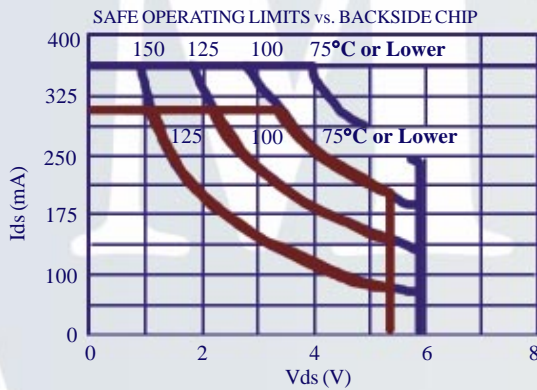
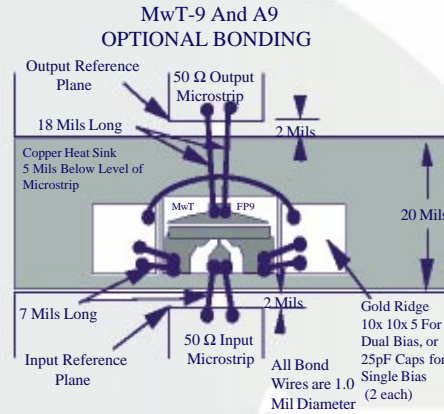
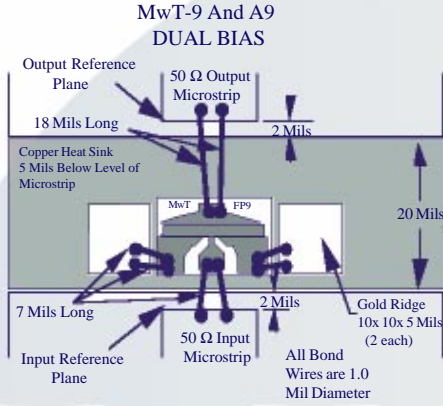




# MwT-9

## 18 GHz High Power GaAs FET



— Absolute Maximum — Continuous Maximum

### MAXIMUM RATINGS AT Ta = 25°C

SYMBOL	PARAMETER	UNITS	CONT MAX <sup>1</sup>	ABSOLUTE MAX <sup>2</sup>
VDS	Drain to Source Voltage	V	See Safe Operating Limits	
Tch	Channel Temperature	°C	+150	+175
Tst	Storage Temperature	°C	-65 to +150	+175
Pin	RF Input Power	mW	300	450

NOTES: 1. Exceeding any one of these limits in continuous operation may reduce the mean-time-to-failure below the design goals.  
2. Exceeding any one of these limits may cause permanent damage.

### TYPICAL NOISE PARAMETERS

MwT-9LN Chip: VDS=3.0V IDS=35mA

FREQUENCY GHz	NF MIN dB	GAMMA OPT		Rn/50
		MAG	ANGLE	
2.00	0.326	0.858	19.11	0.48
4.00	0.6	0.726	38.47	0.41
6.00	0.858	0.623	58.31	0.38
10.00	1.33	0.51	98.59	0.33
12.00	1.55	0.493	117.7	0.313
16.00	1.96	0.508	150.4	0.286

### BIN SELECTION

BIN#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
IDSS (mA)	78-90	90-102	102-114	114-126	126-138	138-150	150-162	162-174	174-186	186-198	198-210	210-222	222-234	234-246	246-258	258-270	270-282	282-294

### BIN ACCURACY STATEMENT

When placing order or inquiring, please specify BIN range, wafer no., if known, and screening level required.

4268 Solar Way Fremont California 94538 Phone: (510) 651-6700 Fax: (510) 651-2208

All rights reserved. MicroWave Technology, Inc. All specifications subject to change without notice.