

■ GaAs FET SERIES FOR MICROWAVE-BAND MEDIUM AND HIGH POWER AMPLIFIERS (CONTINUED) (T_a = 25°C)

Type No.	Max. ratings				Bias conditions		frequency	RF characteristic		Package outline	Remarks
	V _{ceo} (V)	V _{gso} (V)	I _b (A)	P _r (W)	V _{gs} (V)	I _b (mA)		P _{1dB} min (dBm)	G _{1P} min (dB)		
MGFC44V4450 ★★※	-15	-15	20	93	10	6400	*4	43	9	Flange type hermetic seal	internal matching
MGFC36V5258 ※	-15	-15	2.8	25	10	1200	*5	35	9	Flange type hermetic seal	internal matching
MGFC39V5258 ※	-15	-15	5.6	42.8	10	2400	*5	38	8	Flange type hermetic seal	internal matching
MGFC40V5258 ※	-15	-15	6.0	50	10	2400	*5	39.5	8	Flange type hermetic seal	internal matching
MGFC42V5258 ※	-15	-15	12	78.9	10	4500	*5	41.5	8	Flange type hermetic seal	internal matching
MGFC36V5964A ※	-15	-15	3.75	25	10	1200	*6	35	9	Flange type hermetic seal	internal matching
MGFC38V5964 ★※	-15	-15	5	30	10	1800	*6	37	9	Flange type hermetic seal	internal matching
MGFC39V5964A ※	-15	-15	7.5	42.8	10	2400	*6	38	8	Flange type hermetic seal	internal matching
MGFC40V5964 ※	-15	-15	6.0	50	10	2400	*6	39.5	10	Flange type hermetic seal	internal matching
MGFC41V5964 ★★※	-15	-15	12	57.7	10	3400	*6	40	9	Flange type hermetic seal	internal matching
MGFC42V5964 ※	-15	-15	12	78.9	10	4500	*6	41.5	9	Flange type hermetic seal	internal matching
MGFC44V5964 ★※	-15	-15	20	93	10	6400	*6	43	8	Flange type hermetic seal	internal matching
MGFC36V6472A ※	-15	-15	3.75	25	10	1200	*7	35	8	Flange type hermetic seal	internal matching
MGFC38V6472 ★※	-15	-15	5	30	10	1800	*7	37	8	Flange type hermetic seal	internal matching
MGFC39V6472A ※	-15	-15	7.5	42.8	10	2400	*7	38	7	Flange type hermetic seal	internal matching
MGFC40V6472 ※	-15	-15	6.0	50	10	2400	*7	39.5	9	Flange type hermetic seal	internal matching
MGFC41V6472 ★★※	-15	-15	12	57.7	10	3400	*7	40	8	Flange type hermetic seal	internal matching
MGFC42V6472 ※	-15	-15	12	78.9	10	4500	*7	41.5	8	Flange type hermetic seal	internal matching
MGFC44V6472 ★※	-15	-15	20	93	10	6400	*7	43	7	Flange type hermetic seal	internal matching
MGFC36V7177A ★※	-15	-15	3.75	25	10	1200	*8	35	8	Flange type hermetic seal	internal matching
MGFC39V7177A ★※	-15	-15	7.5	42.8	10	2400	*8	38	7	Flange type hermetic seal	internal matching
MGFC40V7177 ※	-15	-15	6.0	50	10	2400	*8	39.0	9	Flange type hermetic seal	internal matching
MGFC41V7177 ★★※	-15	-15	12	57.7	10	3400	*8	40	7	Flange type hermetic seal	internal matching
MGFC44V7177 ★★※	-15	-15	20	93	10	6400	*8	43	6	Flange type hermetic seal	internal matching
MGFC36V7785A ★★※	-15	-15	3.75	25	10	1200	*9	35	7	Flange type hermetic seal	internal matching
MGFC39V7785A ★★※	-15	-15	7.5	42.8	10	2400	*9	38	6	Flange type hermetic seal	internal matching
MGFC40V7785 ※	-15	-15	6.0	50	10	2400	*9	39.0	8	Flange type hermetic seal	internal matching
MGFC41V7785 ★★※	-15	-15	12	57.7	10	3400	*9	40	6	Flange type hermetic seal	internal matching
MGFC44V7785 ★★※	-15	-15	20	93	10	6400	*9	43	5	Flange type hermetic seal	internal matching
MGFX35V9095 ※	-15	-15	2.8	27.2	10	1200	*10	34.5	7.5	Flange type hermetic seal	internal matching
MGFX38V9095 ※	-15	-15	5.6	42.8	10	2400	*10	37	6.5	Flange type hermetic seal	internal matching
MGFX35V9500 ※	-15	-15	2.8	27.2	10	1200	*11	34.5	7.5	Flange type hermetic seal	internal matching
MGFX38V9500 ※	-15	-15	5.6	42.8	10	2400	*11	37	6.5	Flange type hermetic seal	internal matching
MGFX35V0005 ※	-15	-15	2.8	27.2	10	1200	*12	34.5	7.5	Flange type hermetic seal	internal matching
MGFX38V0005 ※	-15	-15	5.6	42.8	10	2400	*12	37	6.5	Flange type hermetic seal	internal matching
MGFX35V0510 ※	-15	-15	2.8	27.2	10	1200	*13	34.5	7.0	Flange type hermetic seal	internal matching
MGFX38V0510 ※	-15	-15	5.6	42.8	10	2400	*13	37	6.0	Flange type hermetic seal	internal matching
MGFX36V0717 ※	-15	-15	2.8	27.2	10	1200	*18	35	7.0	Flange type hermetic seal	internal matching
MGFX39V0717 ※	-15	-15	5.6	42.8	10	2400	*18	37.5	6.0	Flange type hermetic seal	internal matching
MGFX35V1722 ※	-15	-15	2.8	27.2	10	1200	*14	34.5	6.5	Flange type hermetic seal	internal matching
MGFX38V1722 ※	-15	-15	5.6	42.8	10	2400	*14	37	5.5	Flange type hermetic seal	internal matching
MGFK35V2228 ※	-15	-15	3.5	27.2	10	1200	*15	34.5	6	Flange type hermetic seal	internal matching
MGFK38V2228 ※	-15	-15	5.6	42.8	10	2400	*15	37	5	Flange type hermetic seal	internal matching
MGFK35V2732 ※	-15	-15	2.8	27.2	10	1200	*16	34.5	6	Flange type hermetic seal	internal matching
MGFK38V2732 ※	-15	-15	5.6	42.8	10	2400	*16	37	5	Flange type hermetic seal	internal matching
MGFK25V4045 ※	-15	-15	0.5	3.7	8	150	*17	23	7	Flange type hermetic seal	internal matching
MGFK30V4045 ※	-15	-15	1.0	7.5	8	350	*17	29.5	6	Flange type hermetic seal	internal matching
MGFK33V4045 ※	-15	-15	1.6	15.0	8	700	*17	32	5.5	Flange type hermetic seal	internal matching
MGFK35V4045 ※	-15	-15	3.5	33.3	10	1200	*17	34.5	5.5	Flange type hermetic seal	internal matching
MGFK37V4045 ※	-15	-15	6.6	42.8	10	2400	*17	36.5	4.5	Flange type hermetic seal	internal matching
MGFK39V4045 ★※	-15	-15	6.6	42.8	10	2400	*17	38.5	4.5	Flange type hermetic seal	internal matching

*1. P_{out} (dBm). *2. P_{in} (dBm). *3. f = 3.7~4.2GHz. *4. f = 4.4~5.0GHz. *5. f = 5.2~5.8GHz. *6. f = 5.9~6.4GHz.
 *7. f = 6.4~7.2GHz. *8. f = 7.1~7.7GHz. *9. f = 7.7~8.5GHz. *10. f = 9.0~9.5GHz. *11. f = 9.5~10.0GHz. *12. f = 10.0~10.5GHz.
 *13. f = 10.5~11.0GHz. *14. f = 11.7~12.2GHz. *15. f = 12.2~12.8GHz. *16. f = 12.7~13.2GHz. *17. f = 14.0~14.5GHz.
 *18. 10.7~11.7GHz. *19. 2.5~2.7GHz. *20. 3.6~4.2GHz.
 ※ : Communication grade * : Typical value

HIGH FREQUENCY DEVICES