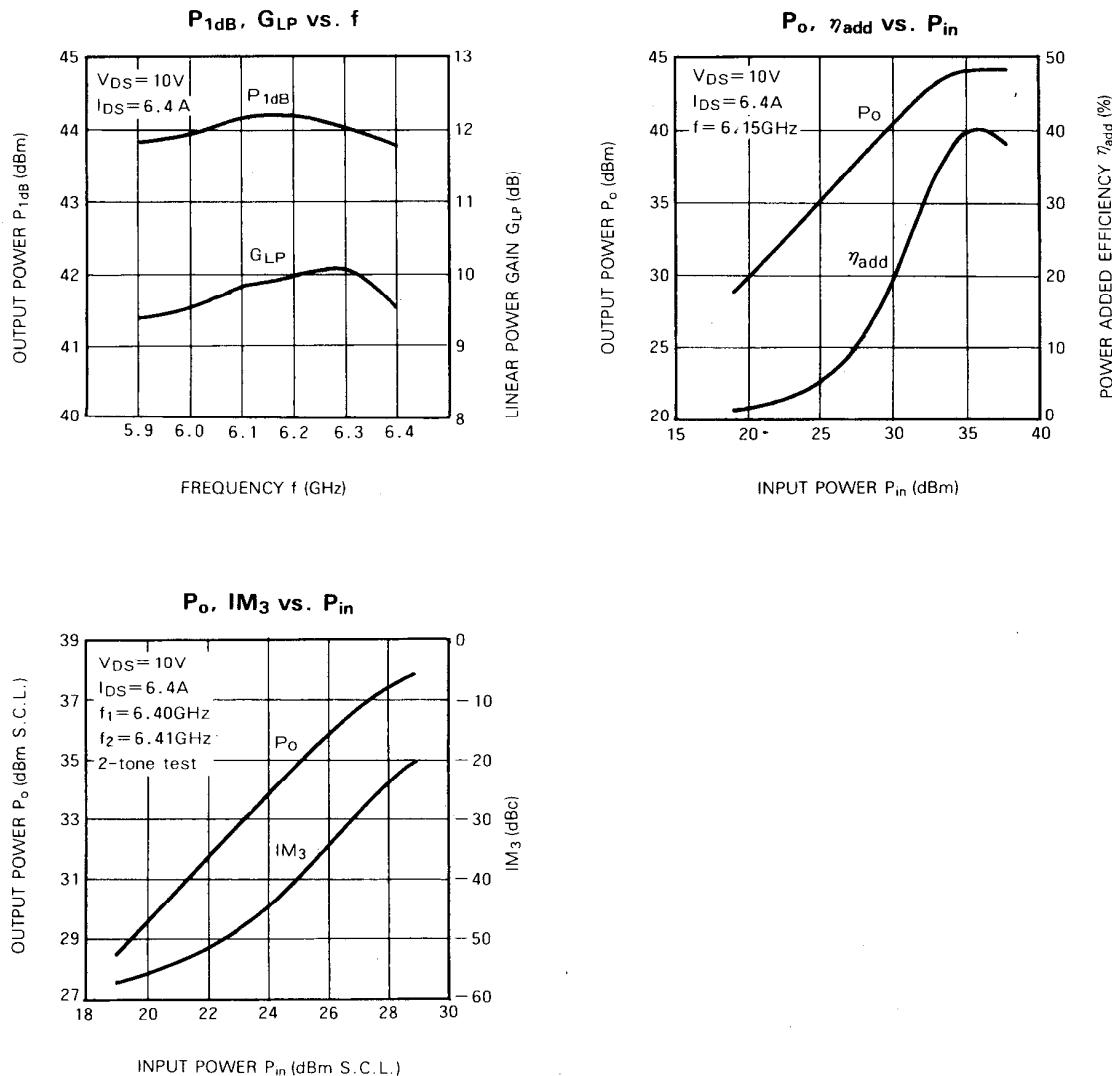




MITSUBISHI SEMICONDUCTOR <GaAs FET>  
**MGFC44V5964**

**5.9~6.4GHz BAND 24W INTERNALLY MATCHED GaAs FET**

**TYPICAL CHARACTERISTICS** ( $T_a = 25^\circ\text{C}$ )



**S PARAMETERS** ( $T_a = 25^\circ\text{C}$ ,  $V_{DS} = 10\text{V}$ ,  $I_{DS} = 6.4\text{A}$ )

f (GHz)	S Parameter (TYP.)							
	S <sub>11</sub>		S <sub>21</sub>		S <sub>12</sub>		S <sub>22</sub>	
	Magn.	Angle (deg.)	Magn.	Angle (deg.)	Magn.	Angle (deg.)	Magn.	Angle (deg.)
5.9	0.48	117	2.79	-61	0.033	-114	0.32	164
6.0	0.43	98	2.81	-79	0.046	-141	0.35	145
6.1	0.36	78	2.84	-97	0.052	-152	0.37	127
6.2	0.28	54	2.81	-115	0.062	-174	0.38	108
6.3	0.21	27	2.79	-132	0.070	167	0.39	96
6.4	0.13	-9	2.77	-150	0.078	149	0.40	80