

Internally Matched Power GaAs FETs

J10

Type No.	Freq. Band (GHz)	P _{dB} Typ. (dBm)	G _{dB} Typ. (dB)	IM ₃ (dBc) Typ.
		V _{DS} = 10V, I _{DS} = I _{loss} /2		
TIM3742-4L	3.7-4.2	36.0	10.0	●-45
TIM3742-8L		39.0	9.5	▲-45
TIM3742-16L		42.5	9.0	■-44
TIM3742-30L	4.4-5.0	45.0	10.0	□-45
TIM4450-4L		36.0	9.0	●-45
TIM4450-8L		39.0	8.5	▲-45
TIM4450-16L	5.3-5.9	42.5	8.0	■-44
TIM4450-30L		45.0	9.5	□-45
TIM5359-30L		45.0	8.5	□-45
TIM5964-4L	5.9-6.4	36.0	8.5	●-45
TIM5964-7L		39.0	9.0	△-45
TIM5964-8L		39.0	8.0	▲-45
TIM5964-14L	6.4-7.2	42.0	8.5	■-45
TIM5964-16L		42.5	7.0	■-45
TIM5964-30L		45.0	8.0	□-45
TIM6472-4L	6.4-7.2	36.0	8.0	●-45
TIM6472-7L		39.0	8.0	△-45
TIM6472-8L		39.0	7.0	▲-45
TIM6472-14L	7.1-7.9	42.0	7.5	■-45
TIM6472-16L		42.5	6.5	■-45
TIM6472-30L		44.5	7.0	□-43
TIM7179-7L	7.1-7.9	38.5	7.0	△-43
TIM7179-8L		39.0	5.5	▲-44
TIM7179-14L		41.5	6.5	■-43
TIM7179-16L	7.7-8.5	42.0	5.0	■-42
TIM7785-7L		38.5	7.0	△-43
TIM7785-8L		39.0	5.0	▲-44
TIM7785-14L	7.7-8.5	41.5	6.5	■-43
TIM7785-16L		42.0	4.5	■-42
TIM7785-30L		44.5	6.0	□-43
TIM1011-2L*	10.7-11.7	33.5	7.5	○-45
TIM1011-4L*		36.5	7.5	●-45
TIM1011-8L*		39.5	6.0	▲-45
TIM1011-10L*	12.7-13.2	40.5	6.0	◆-45
TIM1213-4L*		36.5	7.5	●-45
TIM1213-8L*		39.5	5.0	▲-45
TIM1414-8L*	14.0-14.5	39.5	5.0	▲-45
TIM1414-10L*		40.5	5.0	◆-45

- *: V_{DS} = 9V
- : 2 Tone Test P_o = 22dBm (Single Carrier Level)
- : 2 Tone Test P_o = 25dBm (Single Carrier Level)
- ▲: 2 Tone Test P_o = 28dBm (Single Carrier Level)
- △: 2 Tone Test P_o = 28.5dBm (Single Carrier Level)
- ◆: 2 Tone Test P_o = 29dBm (Single Carrier Level)
- : 2 Tone Test P_o = 31.5dBm (Single Carrier Level)
- : 2 Tone Test P_o = 34.5dBm (Single Carrier Level)

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Type No.	Freq. Band (GHz)	P _{dB} Typ. (dBm)	G _{dB} Typ. (dB)	η _{add} Typ. (%)
		V _{DS} = 10V, I _{DS} = I _{loss} /2		
TPM1617-8	1.6-1.7	39.5	13.0	38
TPM1617-16		42.5	13.0	35
TNM1800-7*	1.8	39.0	10.0	40
TPM1818-14**		41.5	12.0	38
TPM1818-30**	2.3	44.5	12.0	38
TPM2323-14**		42.0	12.0	37
TNM2600-7*	2.6	39.5	8.5	38
TPM2626-14**		42.0	12.0	37
TPM2626-30**	3.7-4.2	44.5	11.5	35
TIM3742-4		36.0	10.5	33
TIM3742-8		39.0	10.0	32
TIM3742-16	4.4-5.0	42.5	9.5	33
TIM4450-4		36.0	10.0	33
TIM4450-8		39.0	9.5	32
TIM4450-16	4.9-5.1	42.5	9.0	32
TIM4951-4		36.0	10.0	33
TIM4951-8		39.0	9.5	32
TIM4951-16	5.3-5.9	42.5	9.0	32
TIM5359-4		36.0	9.0	32
TIM5359-8		39.0	8.5	31
TIM5359-16	5.9-6.4	42.5	7.5	30
TIM5964-4		36.0	8.5	31
TIM5964-8		39.0	8.0	30
TIM5964-16	6.4-7.2	42.5	7.0	30
TIM6472-4		36.0	8.0	30
TIM6472-8		39.0	7.0	29
TIM6472-16	7.1-7.9	42.5	6.5	29
TIM7179-4		36.0	6.5	28
TIM7179-8		39.0	6.0	26
TIM7179-16	7.7-8.5	42.0	5.5	25
TIM7785-4		36.0	6.0	27
TIM7785-8		39.0	5.5	25
TIM7785-16		42.0	5.0	24

*: Non-Matched Type **: Partially Matched Type

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Type No.	Freq. Band (GHz)	P _{dB} Typ. (dBm)	G _{dB} Typ. (dB)	η _{add} Typ. (%)	V _{DS} (V)
TIM8596-2	8.5-9.6	33.5	7.5	24	9
TIM8596-4		36.5	7.5	24	9
TIM8596-8		39.5	6.0	22	9
TIM0910-2	9.5-10.5	33.5	7.5	24	9
TIM0910-4		36.5	7.5	24	9
TIM0910-5		37.5	7.0	20	9
TIM0910-8	10.7-11.7	39.5	6.0	22	9
TIM0910-10		40.5	6.0	20	9
TIM1011-2		33.5	7.5	24	9
TIM1011-4	10.7-11.7	36.5	7.5	24	9
TIM1011-5		37.5	7.0	20	9
TIM1011-8		39.5	6.0	22	9
TIM1011-10	11.7-12.7	40.5	6.0	20	9
TIM1112-2		33.5	7.5	24	9
TIM1112-4		36.5	7.5	24	9
TIM1112-8	12.7-13.2	39.5	5.0	20	9
TIM1213-2		33.5	7.5	24	9
TIM1213-4		36.5	7.5	24	9
TIM1213-8	14.0-14.5	39.5	5.0	20	9
TIM1213-10		40.5	6.0	20	9
TIM1414-2		33.5	6.5	23	9
TIM1414-4	14.0-14.5	36.5	6.0	22	9
TIM1414-5		37.5	6.0	20	9
TIM1414-8		39.5	5.0	20	9
TIM1414-10	14.5-15.0	40.5	5.0	20	9
TIM1414-10A		40.5	6.0	20	9
TIM1415-2		33.5	6.0	22	9
TIM1415-4	14.5-15.0	36.5	5.5	21	9
TIM1415-8		39.5	4.5	19	9