

### MMICs Product Selection Guide

Product No.	Freq. (GHz)	G.O.F. (+/-dB)	Gain (dB)	Pout (dBm)	P-1dB (dBm)	P-2dB (dBm)	P-3dB (dBm)	IP3 (dB)	VSWR In/Out	DC Voltage (Volt)	DC Current (mA)
TC1037	3.1~3.5		22	41.5					2 : 1	7	4500
TC1073	9.2~10.2		19			26			[In] 2.5 : 1	8	190
TC1076	9.2~10.2		16			39			[In] 2.5 : 1	9	2500
TC1900	0.00003~12	0.5	8.5		18		22	25	1.8 : 1	8	250
TC1901	2~20	0.6	11.5		22.5			30	2 : 1	8	250
TC1902	6~18		12		28				[In] 2.5 : 1 [Out] 3 : 1	7	450
TC1931D	12.5~15.5		16		21		22	30	2 : 1	8	100
TC1950	14~18		19		15				[In] 2 : 1 [Out] 3 : 1	5	80
TC1952	14~18		12		26				2.5 : 1	8	350
TC1953A	13.75~14.5		17		21		22	30	2 : 1	8	120
TC1953P	13.75~14.75		14		30.5		31	40	2 : 1	8	600
TC1954	14~18		10		33		34		[In] 3 : 1 [Out] 2 : 1	8	1400
TC1956	13.75~14.5		12	37.5					2 : 1	8	1000
TC1985	29~36		11	34					2 : 1	6	1300
TC4820	30~36		15		24			32	[In] 2 : 1	5	400
TC4830	30~36		9		29			38	[In] 2 : 1	5.5	1000

Product No.	Freq. (GHz)	G.O.F. (+/-dB)	Gain (dB)	P-2 dB (dBm)	IP3 (dB)	Input VSWR	Output VSWR	DC Voltage (Volt)	DC Current (mA)
TC3131	2.4	-	28	30	39	2 : 1	-	7	400
TC3133	2.4	-	24	31	39	2 : 1	-	5	600
TC3141	2.4	-	29	33	42	2 : 1	-	7	800
TC3142	2.4~2.5	-	13.5	33	43	2 : 1	-	5	600
TC3143	2.1~2.2	-	29	33	42	2 : 1	-	7	800
TC3331	3.3~3.7	0.5	30	30	39	2 : 1	-	7	650
TC3332	3.3~3.8	0.5	27	30	39	-	-	9	500
TC3341	3.3~3.7	0.5	27	32.5	42	2 : 1	-	8	700
TC3531	5.8	-	24	30	39	2 : 1	-	7	600
TC3532	4.9~6	0.5	21	29	39	2 : 1	-	8	400
TC4522	13.75~14.5	1.0	28	27	37	2 : 1	2.5 : 1	8	500
TC4523	13.75~14.5	-	32	27	36	2.5 : 1	2 : 1	7	550
TC4531	13.75~14.5	1.0	30	30.5	39	2 : 1	2.5 : 1	8	750
TC4535	13.75~14.5	-	30	30	39	2 : 1	2.5 : 1	8	750
TC4542	13.75~14.5	1.0	26	32.5	41	2 : 1	2 : 1	8	1500