

## MMICs Products Selection Guide

### Chip-form

Product No.	Freq. (GHz)	G.O.F. (+/-dB)	Gain (dB)	P-1dB (dBm)	P-3dB (dBm)	IP3 (dB)	VSWR In/Out	DC Voltage (Volt)	DC Current (mA)
<b>TC5287C</b> (5G/mmWave/LEO)	26.5-31.5		22	33	34	43	2:1	6	1400
<b>TC5285C</b> (5G/mmWave/LEO)	27-29.5		14	33	34	42	2:1	6	1400
<b>TC5282C</b> (5G/mmWave/LEO)	27-29.5		16	26	27	35	2:1	6	450
<b>TC4820</b>	30-36		15	24		32	[In] 2 : 1	5	400
<b>TC4830</b>	30-36		9	29		38	[In] 2 : 1	5.5	1000
<b>TC1900</b>	0.00003-12	0.5	8.5	18	22	25	1.8 : 1	8	250
<b>TC1901</b>	2-20	0.6	11.5	22.5		30	2 : 1	8	250
<b>TC1072G</b>	9.2-10.4		19	27		-		8	180
<b>TC1954</b>	14-18		10	33	34	-	[In] 3 : 1 [Out] 2 : 1	8	1400
<b>TC1902</b>	6-18		12	28		-	[In] 2.5 : 1 [Out] 3 : 1	7	450
<b>TC1931D</b>	12.5-15.5		16	21	22	30	2 : 1	8	100
<b>TC1953A</b>	13.75-14.5		17	21	22	30	2 : 1	8	120
<b>TC1953P</b>	13.75-14.75		14	30.5	31	40	2 : 1	8	600
<b>TC1950</b>	14-18		19	15		-	[In] 2 : 1 [Out] 3 : 1	5	80
<b>TC1952</b>	14-18		12	26		-	2.5 : 1	8	350

\*Specifications shown above are the typical value

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### Package-form

Product No.	Freq. (GHz)	G.O.F. (+/-dB)	Gain (dB)	P-1 dB (dBm)	IP3 (dB)	Input VSWR	Output VSWR	DC Voltage (Volt)	DC Current (mA)
TC5287P (5G/mmWave/LEO)	26.5-30	-	21.5	31.5	41.5	2.2:1	2:1	6	1400
TC5285P (5G/mmWave/LEO)	27-29.5	-	13	31.5	41.5	2.2:1	2:1	6	1400
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
TC3331A	2.9-3.3	0.5	30	30	39			7	650
TC3332	3.3-4	0.5	27	30	39	-	-	9	500
TC3341	3.3-3.7	0.5	27	32.5	42	2 : 1	-	8	700
TC3531	5.7-5.9	-	24	30	39	2 : 1	-	7	600
TC3532	4.9-6	0.5	21	29	39	2 : 1	-	8	400
TC3541	5.2-5.9	0.5	20	33	42			9	1000
TC3741	9.5-10.5	-	11	33	42			10	1100
TC3761	9.2-10	0.4	15	40	-			8	2500
TC4522	13.75-14.5	1.0	28	27	37	2 : 1	2.5 : 1	8	500
TC4531	13.75-14.5	1.0	30	30.5	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

\*Specifications shown above are the typical value