



**Transcom, Inc** - компания основана в 1998 году, занимается разработкой и производством микроволновых компонентов и устройств. Штаб-квартира компании находится г. Тайнань, Тайвань. Компания серийно производит GaAs-устройства с высокой мощностью, а также с низким уровнем шума. Стандартные процессы включают 0,25 мкм и 0,5 мкм PHEMT, HFET и MESFET.

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## Транзисторы

### Транзисторы (GaAs, корпусированные)

Product	Freq. (GHz)	P-1 dB (dBm)	Gain (dB)	IP3 (dBm)	PAE (%)	Package	Notes
TC2996A	1.6	41	13	50	40	Flange ceramic	Prematched 12W FET
TC2996B	1.9	41	13	50	40	Flange ceramic	Prematched 12W FET
TC2996D	2.45	41	11	50	40	Flange ceramic	Prematched 12W FET
TC2997A	1.6	43	13	52	40	Flange ceramic	Prematched 20W FET
TC2997B	1.9	43	12	52	40	Flange ceramic	Prematched 20W FET
TC2997C	2.1	43	12	52	40	Flange ceramic	Prematched 20W FET
TC2997D	2.45	43	10	52	40	Flange ceramic	Prematched 20W FET
TC2997G	3.5	42.5	9	52	37	Flange ceramic	16W suitable for WiMAX & WLL
TC3989	5.8	35.5	8	46	28	Flange ceramic	Prematched 4W FET
TC3989A	5.0	37.5	9	-	-	Flange ceramic	Prematched 5W FET

### Транзисторы (GaAs, корпусированные)

Product	Freq. (GHz)	P-1 dB (dBm)	Gain (dB)	IP3 (dBm)	PAE (%)	Notes
TC2471	6	27	15	37	40	SMT Package
TC2481	6	27	11	37	37	Micro-X Metal Ceramic Package
TC2491	6	27	15	37	40	Flange Package
TC2571	6	30	12	40	43	SMT Package
TC2591	6	30	12	40	43	Flange Package
TC2676	6	33	9	43	43	SMT Package
TC2696	6	33	10	43	43	Flange Package
TC2876	6	36.5	7	47	40	SMT Package
TC2896	6	36.5	8	47	40	Flange Package

## Транзисторы (GaAs, корпусированные, Single Bias)

Product	Freq. (GHz)	P-1 dB (dBm)	Gain (dB)	IP3 (dBm)	PAE (%)	N.F. (dB)	Package	Notes
TC3879	2.45	38.5	10.5	48.5	35		Flange (ceramic)	7W FET
TC3911	6	17	13			1.5-1.8	SOT143R (plastic)	Super Low noise
TC3918	12	18	13			0.7-1.2	Micro-x (ceramic)	Super Low noise
TC3921	6	22	12			-	SOT143R (plastic)	Low noise FET
TC3928	12	21.5	12			0.9-1.5	Micro-x (ceramic)	Low noise FET
TC3938	12	24	8			1.0-1.5	Micro-x (ceramic)	Medium power
TC3943	5-10	27	> 6	37	30		SMT (ceramic)	Prematched 0.5W FET
TC3947	6	27	12	37	35		Cu (ceramic)	0.5W FET
TC3953	5-8	30	> 7	40	35		SMT ceramic	Prematched 1W FET
TC3953A	5-10	30	> 5.5	40	35		SMT ceramic	Prematched 1W FET
TC3957	6	30	10	40	35		Cu (ceramic)	1W FET
TC3977	2.45	35.5	12	45	35		Cu (ceramic)	Prematched 3W FET

## Транзисторы (GaAs, die)

Product	Freq. (GHz)	P-1 dB (dBm)	Gain (dB)	IP3 (dBm)	PAE (%)	Notes
TC1401	12	27	9	37	40	Chip
TC1401N	12	27	9	37	40	Chip / Non-Via Hole
TC1404N	12	27	11	37	40	Chip / Non-Via Hole
TC1501	6	30	13	40	43	Chip
TC1501N	6	30	12	40	43	Chip / Non-Via Hole
TC1504N	12	30	9	40	43	Chip / Non-Via Hole
TC1601	6	33	12	43	43	Chip / Short Gate Length
TC1606	6	33	12	43	43	Chip / Long Gate Length
TC1606N	6	33	8	43	43	Chip / Non-Via Hole
TC1706	6	35.5	11	45	43	Chip
TC1801	6	36.5	10	47	40	Chip / Short Gate Length
TC1806	6	36.5	10	47	40	Chip / Long Gate Length

## Транзисторы маломощные (GaAs, корпусированные)

Product	Freq. (GHz)	N.F. (dB)	P-1 dB (dBm)	Gain (dB)	Notes
TC2101	12	1.5	18.5	9	2D, Micro-X Plastic Package
TC2111	12	1.5	18.5	8	3D, SOT-143 Plastic Package
TC2131	12	0.5	18.5	12.5	Leadless Air Cavity Plastic Package
TC2181	12	0.5	18.5	13	1D, Micro-X Ceramic Package
TC2182	12	0.5	-	-	1A, Micro-X Ceramic Package
TC2201	12	1.5	21.5	8	2E, Micro-X Plastic Package
TC2211	12	1.5	21.5	7.5	3E, SOT-143 Plastic Package
TC2281	12	0.5	21.5	12	1E, Micro-X Ceramic Package

Product	Freq. (GHz)	N.F. (dB)	P-1 dB (dBm)	Gain (dB)	Notes
TC2282	12	0.5	-	-	1B, Micro-X Ceramic Package
TC2381	12	0.9	24.5	10	1F, Micro-X Ceramic Package
TC2384	12	0.9	24.5	10	1M, Micro-X Ceramic Package

#### Транзисторы маломощные (GaAs, die)

Product	Freq. (GHz)	N.F. (dB)	P-1 dB (dBm)	Gain (dB)	Notes
TC1101	12	0.5	18.5	15	Chip
TC1102	12	0.5	-	13	Chip
TC1201	12	0.5	21.5	12	Chip
TC1202	12	0.5	-	12	Chip
TC1301	12	0.8	24.5	10	Chip
TC1304	12	0.8	24.5	10	Chip

#### Усилители мощности

##### Усилители мощности (MMIC, GaAs, die)

Product	Freq. (GHz)	Gain (dB)	Pout (dBm)	P-1dB (dBm)	P-3dB (dBm)	IP3 (dB)	VSWR In/Out	DC Voltage (V)	DC Current (mA)	Package
TC1900	0.00003-12	8.5		18	22	25	1.8:1	8	250	die
TC1901	2-20	11.5		22.5		30	2:1	8	250	die
TC1037	3.1-3.5	22	41.5				2:1	7	4500	die
TC1902	6-18	12		28			[In] 2:1 [Out] 3:1	7	450	die
TC1073	9.2-10.2	19					[In] 2.5:1	8	190	die
TC1076	9.2-10.2	16					[In] 2.5:1	9	2500	die
TC1931D	12.5-15.5	16		21	22	30	2:1	8	100	die
TC1953A	13.75-14.5	17		21	22	30	2:1	8	120	die
TC1953P	13.75-14.75	14		30.5	31	40	2:1	8	600	die
TC1956	13.75-14.5	12	37.5				2:1	8	1000	die
TC1950	14-18	19		15			[In] 2:1 [Out] 3:1	5	80	die
TC1952	14-18	12		26			2.5:1	8	350	die
TC1954	14-18	10		33	34		[In] 3:1 [Out] 2:1	8	1400	die
TC5282C	27-29,5	16	27	26				6	450	die
TC5285C	27-29,5	15	35	33				6	2200	die
TC1985	29-36	11	34				2:1	6	1300	die
TC4820	30-36	15		24		32	[In] 2:1	5	400	die
TC4830	30-36	9		29		38	[In] 2:1	5.5	1000	die

Усилители мощности (MMIC, GaAs, корпусированные)

Product	Freq. (GHz)	Gain (dB)	P-1 dB (dBm)	IP3 (dB)	Input VSWR	Output VSWR	DC Voltage (Volt)	DC Current (mA)	Package
TC3131	2.4	28	30	39	2:1		7	400	SO-8
TC3133	2.4	24	31	39	2:1	-	5	600	SO-8
TC3141	2.4	29	33	42	2:1	-	7	800	SO-8
TC3142	2.4-2.5	13.5	33	43	2:1	-	5	600	SO-8
TC3143	2.1-2.2	29	33	42	2:1	-	7	800	SO-8
TC3331	3.3-3.7	30	30	39	2:1	-	7	650	10 pin ceramic package
TC3332	3.3-3.8	27	30	39	-	-	9	500	10 pin ceramic package
TC3341	3.3-3.7	27	32.5	42	2:1	-	8	700	10 pin ceramic package
TC3532	4.9-6	21	29	39	2:1	-	8	400	10 pin ceramic package
TC3541	5.2-5.9	20	33	42			9	1000	10 pin ceramic package
TC3531	5.8	24	30	39	2:1	-	7	600	10 pin ceramic package
TC3761	9.2-10	15	40				8	2500	flange
TC3741	9.5-10.5	11	33	42			10	1100	10 pin ceramic package
TC4522	13.75-14.5	28	27	37	2:1	2.5:1	8	500	flange
TC4523	13.75-14.5	32	27	36	2.5:1	2:1	7	550	flange
TC4531	13.75-14.5	30	30.5	39	2:1	2.5:1	8	750	flange
TC4542	13.75-14.5	26	32.5	41	2:1	2:1	8	1500	flange