

Hybrid ICs Product Selection Guide

Hybrid ICs

Product No.	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

Hybrid ICS with Single-Bias

Product No.	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

*Specifications shown above are the typical value.