

RF TRANSFORMERS WIDEBAND

12.5 to 1250 Ω

10 kHz to 1400 MHz

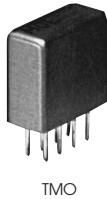
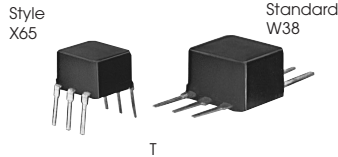
SURFACE MOUNT



MODEL NO.	Ω RATIO	FREQUENCY MHz	INSERTION LOSS *			CAPD DATA	CASE STYLE	C O N N E C T I O N	PRICE \$	
	Note D		3 dB MHz	2 dB MHz	1 dB MHz					Note B
A* NEW ● ADT1-1WT NEW ● ADT1-6T NEW ● ADT1.5-1 ● ADT2-1T ● ADT2-1T-1P ● ADT3-1T NEW ● ADT3-6T ● ADT4-1WT NEW ● ADT4-1T NEW ● ADT4-6WT NEW ● ADT8-1T ● ADT9-1T ● ADT16-1T	1	0.4-800	0.4-800	0.5-700	1-400		CD542	kz	2.95***	
	1	0.03-125	0.03-125	0.04-75	0.05-50		CD637	ks	3.45***	
	1.5	0.5-650	0.5-650	0.8-500	1-300		CD542	lb	2.95***	
	2	0.4-450	0.4-450	0.6-400	1-200		CD542	kt	3.65***	
	2	8-600	8-600	10-400	13-300		CD542	ks	4.25***	
	3	1-500	—	1-500	2-300		CD542	kt	3.45***	
	3	0.06-400	0.06-400	0.1-290	0.2-250		CD636	ks	4.50***	
	4	2-775	2-775	3-600	6-250		CD542	ks	2.95***	
	4	9-625	9-625	10-550	14-500		CD542	ks	3.95***	
	4	0.5-600	0.5-600	0.7-475	2-300		CD636	ks	4.50***	
	8	0.1-130	0.1-130	0.15-110	0.2-75		CD637	ks	4.50***	
	9	1-250	—	1-250	2-150		CD542	ks	3.95***	
	16	1.5-160	1.5-160	3-105	5-65		CD542	ks	4.25***	
	JTX-2-10T	2	50-1000	—	—	50-1000		BH292	kt	6.95***
	JTX-4-10T	4	50-1000	—	—	50-1000		BH292	kt	6.95***
	T1-1T-KK81	1	0.08-200	0.08-200	0.15-150	.2-80		KK81	ev	4.45
T1-6T-KK81	1	.015-300	.015-300	.021-150	.03-50		KK81	ev	6.95	
T2-1T-KK81	2	.07-200	.07-200	.1-100	.5-50		KK81	ev	4.95	
T2.5-6T-KK81	2.5	.01-100	.01-100	.02-50	.50-20		KK81	ev	4.95	
T3-1T-KK81	3	.05-250	.05-250	.1-200	.5-70		KK81	ev	4.95	
T4-1-KK81	4	.2-350	.2-350	.35-300	2-100		KK81	ev	3.25	
T4-6T-KK81	4	.02-250	.02-250	.05-150	0.1-100		KK81	ev	5.65	
T5-1T-KK81	5	.3-300	.3-300	.6-200	5-100		KK81	ev	4.95	
T8-1T-KK81	8	.3-140	.3-140	.7-90	1-60		KK81	ev	7.95	
T13-1T-KK81	13	.3-120	.3-120	.7-80	5-20		KK81	ev	4.95	
T16-6T-KK81	16	.03-75	.03-75	.06-30	.1-20		KK81	ev	5.65	
T4-1H-KK81	4	10-350	10-350	15-300	25-200		KK81	ev	5.95	
TX16-R3T	16	40-300	40-300	60-220	70-150		TT240	ev	4.95	
NEW TCM2-1T	2	3-300	—	—	3-300		DB714	ha	4.45	
NEW TCM3-1T	3	2-500	—	2-500	5-300		DB714	ha	4.45	
NEW TCM4-1W	4	3-800	3-800	5-400	10-100		DB714	ha	4.45	
NEW TCM4-14	4	200-1400	200-1400	300-1300	800-1000		DB714	gs	4.45	
NEW TCM4-6T	4	1.5-600	1.5-600	2-400	3-350		DB714	ha	4.45	
NEW TCM8-1	8	2-500	2-500	5-400	10-100		DB714	gs	4.45	
TC2-1T	2	3-300	—	—	3-300		AT224	ha	4.95	
TC3-1T	3	5-300	—	—	5-300		AT224	ha	4.95	
TC4-1T	4	.5-300	—	.5-300	1.5-100		AT224	ha	4.95	
TC4-1W	4	3-800	3-800	5-400	10-100		AT224	ha	4.95	
TC4-14	4	200-1400	200-1400	300-1300	800-1100		AT224	gs	5.45	
TC8-1	8	2-500	2-500	5-400	10-100		AT224	gs	5.45	
TC9-1	9	2-200	2-200	3-100	5-40		AT224	ha	5.45	
NEW TC16-1T	16	20-300	20-300	30-200	50-150		AT224	lz	5.95	

FOR DATA SEE YONI ON OUR WEBSITE

Surface Mount & Plug-In



	MODEL NO.	Ω RATIO Note D	FREQUENCY MHz	INSERTION LOSS *			CAPD DATA	CASE STYLE Note B	CONNECTION	PRICE \$ Qty. (1-9)
				3 dB MHz	2 dB MHz	1 dB MHz				
<p>A*</p>	T1-1T	1	0.08-200	0.08-200	0.15-150	.2-80	<p>FOR DATA SEE YONI ON OUR WEBSITE</p>	▽	ev	4.45
	T1-6T	1	.015-300	.015-300	.021-150	.03-50		▽	ev	6.95
	T2-1T	2	.07-200	.07-200	.1-100	.5-50		▽	ev	4.95
	T2.5-6T	2.5	.01-100	.01-100	.02-50	.50-20		▽	ev	4.95
	T3-1T	3	.05-250	.05-200	.1-200	.5-70		▽	ev	4.95
	T4-1	4	.2-350	.2-350	.35-300	2-100		▽	ev	3.25
	T4-6T	4	.02-250	.02-250	.05-150	0.1-100		▽	ev	5.65
	T5-1T	5	.3-300	.3-300	.6-200	5-100		▽	ev	4.95
	T8-1T	8	.3-140	.3-140	.7-90	1-60		▽	ev	7.95
	T13-1T	13	.3-120	.3-120	.7-80	5-20		▽	ev	4.95
	T16-6T	16	.03-75	.03-75	.06-30	.1-20		▽	ev	5.65
	T4-1H	4	10-350	10-350	15-300	25-200		▽	ev	5.95
	TMO1-1T	1	.05-200	.05-200	.08-150	.2-80		A11	ew	7.95
TMO2-1T	2	.07-200	.07-200	.1-100	.5-50	A11	ew	8.45		
TMO2.5-6T	2.5	.01-100	.01-100	.02-50	.05-20	A03	ew	8.45		
TMO3-1T	3	.05-250	.05-250	.1-200	.5-70	A03	ew	7.95		
TMO4-1	4	.2-350	.2-350	.35-300	2-100	A11	ew	6.25		
TMO5-1T	5	.3-300	.3-300	.6-200	5-100	A11	ew	8.45		
TMO13-1T	13	.3-120	.3-120	.7-80	5-20	A11	ew	8.45		

NOTES:

- * FOR A CONFIGURATION:
Typical Amplitude Unbalance: 0.1 dB over 1 dB frequency range; 0.5 dB over entire frequency range.
Typical Phase Unbalance: 1.0° over 1 dB frequency range; 5.0° over entire frequency range.
- * Insertion loss referenced to mid-band loss
- Denotes 75 ohm model
- Non-hermetic
- ▽ Two case styles available: Plug-in case style X65; Radial lead case style W38.
- *** Price for quantities 10-49.
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in section 0, see "Mini-Circuits Guarantees Quality" article.
- B. Connector types and case mounted options, case finishes are given in section 0, see "Case Styles & Outline Drawings".
- C. Prices and Specifications subject to change without notice.
- D. Impedance ratio= secondary/primary
- 1. Absolute power, voltage and current ratings:
 - 1a. RF input power: all models 0.25W except where noted (● .5W rating; ●● 1W rating)
 - 1b. DC current, 30mA
- 2. For ADT, JTX, TC, T, TCM, and TX series, operating temperature range is -20°C to +85°C.

pin connections

see case style outline drawings for pin locations

PORT	ev	ew	gs	ha	ks	kt	kz	lb	lz
PRIMARY DOT	4	1	6	6	3	3	3	1	3
PRIMARY	6	5	4	4	1	1	1	3	1
PRIMARY CT	—	—	—	—	—	—	—	—	—
SECONDARY DOT	3	2	3	1	4	6	6	4	4
SECONDARY	1	6	1	3	6	4	4	6	6
SECONDARY CT	2	4	2	2	5	5	2	2	2
GND EXT.	—	—	—	—	—	—	—	—	—
CASE GND	—	7,8	—	—	—	—	—	—	—
NOT USED	5	3	5	5	2	2	5	5	—
DEMO BOARD	—	—	—	—	TB-42	—	—	TB-42	TB-45

NSN GUIDE

MCL NO.	NSN
T1-1T	5950-01-153-0668
T1-1T-KK81	5950-01-431-4604
T1-1T-X65	5950-01-340-7040
T1-6T	5950-01-258-2173
T2-1T-KK81	5950-01-347-0311
T3-1T	5950-01-153-0298
T4-1	5950-01-024-7626
T4-1-X65	5950-01-349-3181
T4-1H-X65	5950-01-328-8975
T16-6T	5950-01-336-0939
TMO1-1T	5950-01-326-2772
TMO2.5-6T	5950-01-215-8697
TMO3-1T	5950-01-168-7512
TMO5-1T	5950-01-183-0779
TMO-13-1T	5950-01-168-7512