

### 5 kHz to 2500 MHz

SURFACE MOUNT

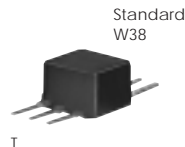


MODEL NO.	$\Omega$ RATIO Note D	FREQUENCY (MHz)	INSERTION LOSS *			CASE STYLE Note B	CONNECTION	PRICE \$ Qty. (1-9)
			3 dB MHz	2 dB MHz	1 dB MHz			
◆ ADT1.5-17*	1.5	.5-1700	.5-1700	1-1500	2-1100	CD542	la	3.45***
◆◆ TC4-11	50/12.5	2-1100	—	2-1100	5-700	AT224	kp	1.59*
◆ TC1.5-1	1.5	.5-2200	.5-2200	1-2000	2-1100	AT224	jt	1.59*
◆○ TC9-1-75	75/8	0.3-475	0.3-475	0.5-450	0.9-370	AT224	kp	1.59*
T2-1-KK81	2	.050-600	.050-600	.1-400	5-200	KK81	fd	3.95
T3-1-KK81	3	.5-800	.5-800	2-400	—	KK81	fd	4.45
T4-2-KK81	4	.2-600	.2-600	.5-500	2-250	KK81	fd	3.95
T8-1-KK81	8	.15-250	.15-250	.25-200	2-100	KK81	fd	3.95
T14-1-KK81	14	.2-150	.2-150	.5-100	2-50	KK81	fd	4.95
T2-1	2	.050-600	.050-600	.1-400	5-200	◆	fd	3.95
T3-1	3	.5-800	.5-800	2-400	—	◆	fd	4.45
T4-2	4	.2-600	.2-600	.5-500	2-250	◆	fd	3.95
T8-1	8	.15-250	.15-250	.25-200	2-100	◆	fd	3.95
T14-1	14	.2-150	.2-150	.5-100	2-50	◆	fd	4.95
TMO2-1	2	.050-600	.050-600	.1-400	5-200	A11	fe	7.95
TMO4-2	4	.2-600	.2-600	.5-500	2-250	A11	fe	7.95
TMO14-1	14	.2-150	.2-150	.5-100	2-50	A11	fe	8.45
FT1.5-1	1.5	.1-400	.1-400	.5-200	1-100	H16	—	35.95
<b>D</b>								
<b>E</b>								
FTB1-1	1	.2-500	.2-500	.5-300	1-100	H16	—	36.95
FTB1-6	1	.01-125	.01-125	.05-50	.1-25	H16	—	36.95
■ FTB1-1-75	1	.5-500	.5-500	5-300	10-100	H16	—	36.95

#### NOTES:

- ◇ Two case styles available: Plug-in case style X65; Radial lead case style W38.
- \* Insertion loss referenced to mid-band loss.
- \* TCC models are hermetically sealed.
- ◆ Aqueous washable.
- Denotes 75 ohm model, for coax connector models 75 ohm BNC connectors are standard.
- Non-hermetic
- ◆ Stepdown, 50 ohm primary, 5.2 pF across secondary
- Stepdown, 75 ohm primary, 51 pF across secondary
- \*\* Protected under U.S. Patent 6133525
- \*\*\* Price for quantities 10-49.
- \* Quantity 100.
- 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 (●● 1W rating; ●●● 2W rating)
    - 1b. DC current, 30mA
  2. For ADT,ADTL, TC,TCM,TCML, and T series, operating temperature range is -20°C to +85°C. For TCC models, -55°C to 100°C.

# Surface Mount □, Plug-In & Coaxial



MODEL NO.	Ω RATIO Note D	FREQUENCY (MHz)	INSERTION LOSS *			CASE STYLE Note B	CONNECTION	PRICE \$ Qty. (1-9)	
			3 dB MHz	2 dB MHz	1 dB MHz				
<b>F</b> 	T-622-KK81	1:1:1	0.1-200	0.1-200	0.5-100	5-80	KK81	ff	3.25
	T-626-KK81	1:1:1	0.01-10	0.01-10	0.02-5	.04-2	KK81	ff	3.95
	T2-613-1-KK81	1:1:2	0.07-200	0.07-200	0.1-100	0.5-50	KK81	fg	1.95
	T-622	1:1:1	0.1-200	0.1-200	0.5-100	5-80	◆	ff	3.25
	T-626	1:1:1	0.01-10	0.01-10	0.02-5	.04-2	◆	ff	3.95
	T2-613-1	1:1:2	0.07-200	0.07-200	0.1-100	0.5-50	◆	fg	1.95
<b>G</b> 	◆ TCML1-11	1	600-1100	—	600-1100	700-1000	DB714	mh	1.09*
	◆ TCML1-19	1	800-1900	800-1900	—	800-1400	DB714	mh	1.09*
	◆ TC1-15	1	350-1500	—	350-1000	800-1500	AT224	mh	1.29*
	◆◆◆ ADTL1-12**	1	20-1200	—	20-1200	50-1000	CD542	kn	2.95***
	◆◆◆ ADTL1-18-75**	1	5-1800	—	5-1800	25-1200	CD542	kn	2.95***
	◆◆◆ ADTL1-4-75**	1	0.5-1000	0.5-1000	1-600	5-400	CD542	kn	2.95***
<b>H</b> 	NEW ◆ TCC-4-T5	4	1200-1800	—	1200-1800	1400-1700	FW856	ev	1.59*
	NEW ◆ TCC-4-T2	4	1450-2100	—	1450-2100	1600-2000	FW856	ev	1.59*
	NEW ◆ TCC-4-T3	4	1700-2400	—	1700-2400	1950-2100	FW856	ev	1.59*
	NEW ◆ TCM4-19	4	10-1900	10-1900	20-1000	30-700	DB714	gs	1.09*
	◆ TCM4-25	4	500-2500	500-2500	700-1500	750-1200	DB714	gs	1.09*

see suggested PCB layout PL-119 for TCC models

## pin connections see case style outline drawings

PORT	ev	fd	fe	ff	fg	gs	jt	kn	kp	la	mh
PRIMARY DOT	4	6	1	X1 Y2 Z3	X1 Y5 Z3	6	6	1	6	1	6
PRIMARY	6	3	6	X6 Y5 Z4	X2 Y6 Z4	4	4	3	3	3	4
PRIMARY CT	—	—	—	—	—	—	—	—	—	—	—
SECONDARY DOT	3	1	2	—	—	3	1	6	1	6	1
SECONDARY	1	3	6	—	—	1	4	4	3	3	3
SECONDARY CT	2	—	—	—	—	2	—	—	—	—	—
CASE EXT.	—	3	6	—	—	—	—	—	—	—	—
CASE GND	—	—	7,8	—	—	—	—	—	—	—	—
NOT USED	5	2,4,5	3,4,5	—	—	5	2,3,5	2,5	—	2,4,5	2,5
DEMO BOARD	TB-223	—	—	—	—	—	TB-41	—	—	TB-40	—

## NSN GUIDE

MCL NO.	NSN
FTB1-1-75	5950-01-132-8034
FTB1-6	5950-01-225-8773
FT1.5-1	5950-01-325-4686
T2-1	5950-01-106-1218
T4-2	5950-01-361-1794
TMO2-1	5950-01-183-6414
TMO4-2	5950-01-091-3553
TMO8-1	5950-01-442-8008



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