

NARROWBAND

SP6T SWITCH

SERIES TF-6/TN-6-A

REFLECTIVE AND ABSORPTIVE 0.02-18 GHz

ELECTRICAL PERFORMANCE

Power: 1 watt average, 10 watts peak, survival

STANDARD SWITCH						HIGH SPEED OPTION				
Isolation: 30 dB minimum Speed: 2 microsec. maximum						MODEL-1		MODEL-2		
						Speed Nanosec.	Insertion Loss Max. dB Ref. / Abs.	Speed Nanosec.	Insertion Loss Max. dB Ref. / Abs.	
Reflective Model No.	Absorptive Model No.	Frequency Range GHz	Insertion Loss Max. dB Ref. / Abs.	VSWR† Max.	OUTLINE Config. Square Ref. / Abs. Config. Round Ref. / Abs.		Speed Nanosec.	Insertion Loss Max. dB Ref. / Abs.	Speed Nanosec.	Insertion Loss Max. dB Ref. / Abs.
TF-611	TN-611-A	0.02-0.07	0.70 / 0.80	1.45	2 / 5	4 / 4	500	0.75 / 0.85	N/A	N/A
TF-614	TN-614-A	0.2-0.25	0.70 / 0.80	1.45	2 / 5	4 / 4	500	0.75 / 0.85	N/A	N/A
TF-617	TN-617-A	0.4-0.45	0.80 / 0.90	1.45	2 / 5	4 / 4	200	0.85 / 0.95	N/A	N/A
TF-620	TN-620-A	0.7-0.8	0.90 / 1.00	1.45	1 / 2	3 / 4	100	1.00 / 1.10	20	1.10 / 1.20
TF-623	TN-623-A	0.95-1.22	1.00 / 1.10	1.45	1 / 2	3 / 4	100	1.10 / 1.20	20	1.20 / 1.30
TF-626	TN-626-A	1.02-1.10	1.00 / 1.10	1.45	1 / 2	3 / 4	100	1.10 / 1.20	20	1.20 / 1.30
TF-629	TN-629-A	1.2-1.4	1.00 / 1.10	1.45	1 / 2	3 / 4	100	1.10 / 1.20	20	1.20 / 1.30
TF-632	TN-632-A	1.5-1.6	1.00 / 1.10	1.45	1 / 2	3 / 4	100	1.10 / 1.20	20	1.20 / 1.30
TF-635	TN-635-A	1.7-2.4	1.10 / 1.20	1.45	1 / 2	3 / 4	100	1.20 / 1.30	20	1.30 / 1.40
TF-638	TN-638-A	2.2-2.3	1.10 / 1.20	1.45	1 / 2	3 / 4	100	1.20 / 1.30	20	1.30 / 1.40
TF-641	TN-641-A	2.9-3.1	1.10 / 1.20	1.45	1 / 2	3 / 4	100	1.20 / 1.30	20	1.30 / 1.40
TF-644	TN-644-A	3.1-3.5	1.10 / 1.20	1.45	1 / 2	3 / 4	100	1.20 / 1.30	20	1.30 / 1.40
TF-647	TN-647-A	3.3-3.7	1.10 / 1.20	1.45	1 / 2	3 / 4	100	1.20 / 1.30	20	1.30 / 1.40
TF-650	TN-650-A	3.7-4.2	1.10 / 1.20	1.45	1 / 2	3 / 4	100	1.20 / 1.30	20	1.30 / 1.40
TF-653	TN-653-A	4.2-4.4	1.20 / 1.30	1.45	1 / 2	3 / 4	100	1.30 / 1.40	20	1.40 / 1.50
TF-656	TN-656-A	4.4-5.0	1.30 / 1.40	1.45	1 / 2	3 / 4	100	1.40 / 1.50	20	1.50 / 1.60
TF-659	TN-659-A	5.0-5.25	1.30 / 1.40	1.55	1 / 2	3 / 4	100	1.40 / 1.50	20	1.50 / 1.60
TF-662	TN-662-A	5.4-5.9	1.30 / 1.40	1.55	1 / 2	3 / 4	100	1.40 / 1.50	20	1.50 / 1.60
TF-665	TN-665-A	5.9-6.4	1.30 / 1.40	1.55	1 / 2	3 / 4	100	1.40 / 1.50	20	1.50 / 1.60
TF-668	TN-668-A	6.7-7.4	1.50 / 1.60	1.55	1 / 2	3 / 4	100	1.60 / 1.70	20	1.70 / 1.80
TF-671	TN-671-A	7.1-7.7	1.50 / 1.60	1.55	1 / 2	3 / 4	100	1.60 / 1.70	20	1.70 / 1.80
TF-674	TN-674-A	8.5-9.6	1.60 / 1.70	1.55	1 / 1	3 / 4	100	1.70 / 1.80	20	1.80 / 1.90
TF-677	TN-677-A	9.0-9.2	1.60 / 1.70	1.55	1 / 1	3 / 4	100	1.70 / 1.80	20	1.80 / 1.90
TF-680	TN-680-A	9.3-9.7	1.60 / 1.70	1.65	1 / 1	3 / 4	100	1.70 / 1.80	20	1.80 / 1.90
TF-683	TN-683-A	9.8-10.4	1.80 / 1.90	1.65	1 / 1	3 / 4	100	1.90 / 2.00	20	2.00 / 2.10
TF-686	TN-686-A	10.0-10.5	1.80 / 1.90	1.65	1 / 1	3 / 4	100	1.90 / 2.00	20	2.00 / 2.10
TF-689	TN-689-A	12.0-12.4	1.90 / 2.00	1.65	1 / 1	3 / 4	100	2.00 / 2.10	20	2.10 / 2.20
TF-692	TN-691-A	13.1-13.5	2.00 / 2.10	1.65	1 / 1	3 / 4	100	2.10 / 2.20	20	2.20 / 2.30
TF-695	TN-694-A	14.5-15.5	2.00 / 2.10	1.65	1 / 1	3 / 4	100	2.10 / 2.20	20	2.20 / 2.30
TF-696	TN-696-A	15.0-17.0	2.00 / 2.10	1.65	1 / 1	3 / 4	100	2.10 / 2.20	20	2.20 / 2.30
TF-699	TN-699-A	16.0-18.0	2.00 / 2.10	1.65	1 / 1	3 / 4	100	2.15 / 2.25	20	2.30 / 2.40

If improvement of any of the electrical specifications listed above is required, consult factory.

† Reflective Switch: VSWR measured in the 'ON' input and 'ON' Output Position.
Absorptive Switch: VSWR measured in the 'ON' Input and 'ON' Output and 'OFF' Output Position.

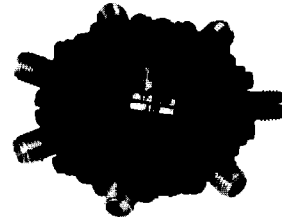
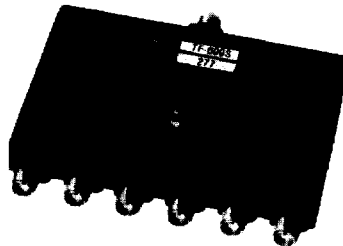
Insertion Loss measured with input power less than 100 mW. Increase insertion loss by 20% for outer arms, for rectangular (S) package.

TYPICAL MODEL NO.

TF XXX S
or - or - D - X
TN XXXA R

Model Series Freq Code Pkg Style Driver Option Speed Option

(Note 2) (Note 3) (Note 4)



Hermetic Seal
and Mil STD 883
Screening Available

**KDI/triangle
ELECTRONICS**

31 Farinella Drive • East Hanover, NJ 07936 • Phone: (201) 884-1423
TWX: (710) 986-8202 • FAX: (201) 884-0445