

BROADBAND

SP8T SWITCH

SERIES TB-8/TB-8-HA

HIGH ISOLATION-REFLECTIVE-ABSORPTIVE 0.02-18 GHz

ELECTRICAL PERFORMANCE

Power: 1 watt average, 10 watts peak, survival

STANDARD SWITCH								HIGH SPEED OPTION			
Isolation: 60 dB or 80 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	Isolation Min. dB.	Insertion Loss Max. dB Ref. / Abs.	VSWR† Max.	Config. Square Ref. / Abs.	Config. Round Ref. / Abs.				
TB-810	TB-810-HA	0.02-0.1	60	1.20 / 1.30	1.95	2 / 5	4 / 4	500	1.25 / 1.35	N/A	N/A
TB-812	TB-811-HA	0.02-0.1	80	1.30 / 1.40	1.95	2 / 5	4 / 4	500	1.35 / 1.45	N/A	N/A
TB-814	TB-812-HA	0.1-1.0	60	1.50 / 1.60	1.95	2 / 5	4 / 4	500	1.55 / 1.65	N/A	N/A
TB-816	TB-816-HA	0.1-1.0	80	1.60 / 1.70	1.95	2 / 5	4 / 4	500	1.65 / 1.75	N/A	N/A
TB-818	TB-819-HA	0.1-2.0	60	1.80 / 1.90	1.95	2 / 5	4 / 4	500	1.85 / 1.95	N/A	N/A
TB-820	TB-822-HA	0.1-2.0	80	1.90 / 2.00	1.95	2 / 5	4 / 4	500	1.95 / 2.05	N/A	N/A
TB-822	TB-823-HA	0.25-0.5	60	1.50 / 1.60	1.95	2 / 5	4 / 4	500	1.55 / 1.65	N/A	N/A
TB-824	TB-826-HA	0.25-0.5	80	1.60 / 1.70	1.95	2 / 5	4 / 4	500	1.65 / 1.75	N/A	N/A
TB-826	TB-827-HA	0.25-1.0	60	1.50 / 1.60	1.95	2 / 5	4 / 4	500	1.55 / 1.65	N/A	N/A
TB-828	TB-828-HA	0.25-1.0	80	1.60 / 1.70	1.95	2 / 5	4 / 4	500	1.65 / 1.75	N/A	N/A
TB-830	TB-831-HA	0.5-1.0	60	1.40 / 1.50	1.95	1 / 2	4 / 4	100	1.50 / 1.60	20	1.60 / 1.70
TB-832	TB-832-HA	0.5-1.0	80	1.50 / 1.60	1.95	1 / 2	4 / 4	100	1.60 / 1.70	20	1.70 / 1.80
TB-834	TB-834-HA	0.5-2.0	60	1.50 / 1.60	1.95	1 / 2	4 / 4	100	1.60 / 1.70	20	1.70 / 1.80
TB-836	TB-835-HA	0.5-2.0	80	1.60 / 1.70	1.95	1 / 2	4 / 4	100	1.70 / 1.80	20	1.80 / 1.90
TB-838	TB-838-HA	1.0-2.0	60	1.40 / 1.50	1.95	1 / 2	3 / 4	100	1.50 / 1.60	20	1.65 / 1.75
TB-840	TB-839-HA	1.0-2.0	80	1.50 / 1.60	1.95	1 / 2	3 / 4	100	1.60 / 1.70	20	1.70 / 1.80
TB-842	TB-842-HA	1.0-4.0	60	1.50 / 1.60	1.95	1 / 2	3 / 4	100	1.60 / 1.70	20	1.70 / 1.80
TB-844	TB-843-HA	1.0-4.0	80	1.60 / 1.70	1.95	1 / 2	3 / 6	100	1.70 / 1.80	20	1.80 / 1.90
TB-846	TB-844-HA	1.0-6.0	60	1.70 / 1.80	1.95	1 / 2	3 / 4	100	1.80 / 1.90	20	1.90 / 2.00
TB-848	TB-846-HA	1.0-6.0	80	1.80 / 1.90	1.95	1 / 2	3 / 6	100	1.90 / 2.00	20	2.00 / 2.10
TB-850	TB-848-HA	1.5-3.0	60	1.40 / 1.50	1.95	1 / 2	3 / 4	100	1.50 / 1.60	20	1.60 / 1.70
TB-852	TB-851-HA	1.5-3.0	80	1.50 / 1.60	1.95	1 / 2	3 / 6	100	1.60 / 1.70	20	1.70 / 1.80
TB-854	TB-852-HA	2.0-4.0	60	1.60 / 1.70	1.95	1 / 2	3 / 4	100	1.70 / 1.80	20	1.80 / 1.90
TB-856	TB-854-HA	2.0-4.0	80	1.70 / 1.80	1.95	1 / 2	3 / 6	100	1.80 / 1.90	20	1.90 / 2.00
TB-858	TB-855-HA	2.0-8.0	60	1.80 / 1.90	1.95	1 / 7	3 / 4	100	1.90 / 2.00	20	2.00 / 2.10
TB-860	TB-858-HA	2.0-8.0	80	1.90 / 2.00	1.95	1 / 7	3 / 6	100	2.00 / 2.10	20	2.10 / 2.20
TB-862	TB-862-HA	3.0-12.0	60	3.00 / 3.10	2.50	1 / 7	3 / 4	100	3.10 / 3.20	20	3.20 / 3.30
TB-864	TB-863-HA	3.0-12.0	80	3.10 / 3.20	2.50	1 / 7	3 / 4	100	3.20 / 3.30	20	3.40 / 3.50
TB-866	TB-866-HA	4.0-8.0	60	1.80 / 1.90	1.95	1 / 7	3 / 4	100	1.90 / 2.00	20	2.00 / 2.10
TB-868	TB-867-HA	4.0-8.0	80	1.90 / 2.00	1.95	1 / 7	3 / 6	100	2.00 / 2.10	20	2.10 / 2.20
TB-870	TB-868-HA	2.0-18.0	60	3.50 / 3.60	2.50	1 / 7	3 / 4	100	3.70 / 3.80	20	3.80 / 4.00
TB-872	TB-871-HA	2.0-18.0	80	3.80 / 3.90	2.50	1 / 7	3 / 4	100	3.90 / 4.00	20	4.00 / 4.10
TB-874	TB-872-HA	5.0-10.0	60	2.20 / 2.30	1.95	1 / 7	3 / 4	100	2.30 / 2.40	20	2.50 / 2.60
TB-876	TB-874-HA	5.0-10.0	80	2.30 / 2.40	1.95	1 / 7	3 / 6	100	2.40 / 2.50	20	2.60 / 2.70
TB-878	TB-875-HA	6.0-12.0	60	2.40 / 2.50	2.20	1 / 7	3 / 4	100	2.50 / 2.60	20	2.70 / 2.80
TB-880	TB-876-HA	6.0-12.0	80	2.50 / 2.60	2.20	1 / 7	3 / 4	100	2.60 / 2.70	20	2.70 / 2.80
TB-882	TB-878-HA	6.0-18.0	60	3.50 / 3.60	2.50	1 / 7	3 / 4	100	3.70 / 3.80	20	3.80 / 4.00
TB-884	TB-879-HA	6.0-18.0	80	3.80 / 3.90	2.50	1 / 7	3 / 4	100	3.90 / 4.00	20	4.00 / 4.10
TB-886	TB-882-HA	7.0-12.4	60	2.50 / 2.60	2.20	1 / 7	3 / 4	100	2.60 / 2.70	20	2.90 / 3.00
TB-888	TB-883-HA	7.0-12.4	80	2.60 / 2.70	2.20	1 / 7	3 / 4	100	2.70 / 2.80	20	3.00 / 3.10
TB-890	TB-884-HA	7.0-18.0	60	3.50 / 3.60	2.50	1 / 7	3 / 4	100	3.70 / 3.80	20	3.80 / 4.00
TB-891	TB-886-HA	7.0-18.0	80	3.80 / 3.90	2.50	1 / 7	3 / 4	100	3.90 / 4.00	20	4.00 / 4.10
TB-893	TB-888-HA	8.0-18.0	60	3.50 / 3.60	2.50	1 / 7	3 / 4	100	3.70 / 3.80	20	3.80 / 4.00
TB-894	TB-891-HA	8.0-18.0	80	3.80 / 3.90	2.50	1 / 7	3 / 4	100	3.90 / 4.00	20	4.00 / 4.10
TB-896	TB-894-HA	12.0-18.0	60	3.50 / 3.60	2.50	1 / 7	3 / 4	100	3.70 / 3.80	20	3.80 / 4.00
TB-897	TB-897-HA	12.0-18.0	80	3.80 / 3.90	2.50	1 / 7	3 / 4	100	3.90 / 4.00	20	4.00 / 4.10

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.

XXX S
- or - or - D - X
XXXHA R

Model Freq Pkg Driver Speed
Series Code Style Option Option

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

Hermetic Seal
and Mil STD 883
Screening Available

**KDI/triangle
ELECTRONICS**

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