

SBTC-2-10-5075

(patent pending)

CASE STYLE: AT790
PRICE: \$3.49 ea. Qty. (25)
\$2.99 ea. Qty. (100)

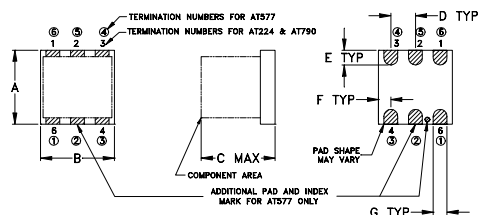
- 50 ohm input, 75 ohm output
- excellent isolation, 20 dB typ.
- very good phase unbalance, 1.0 deg. typ.
- small size, 0.15"x0.15"x0.15"
- solder plated leads for excellent solderability
- low cost

Applications

- cable
- 50-75 ohm amplifier splitter



Electrical Specifications

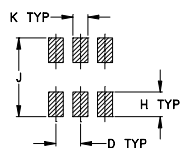


FREQ. RANGE (MHz)	ISOLATION (dB)				INSERTION LOSS (dB) ABOVE 3.0 dB				PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)						
	L		M	U	L		M	U	L	M	U	L	M	U				
	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.				
f _L -f _U	25	16	—	—	20	15	0.7	1.2	—	—	1.0	1.6	3	—	5	0.6	—	0.5

L = low range [f. to 10 f.]

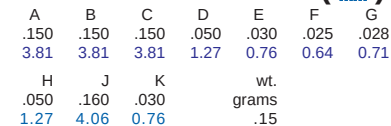
M = mid range [10 f. to f./2]

U = upper range [$f_u/2$ to f_u]

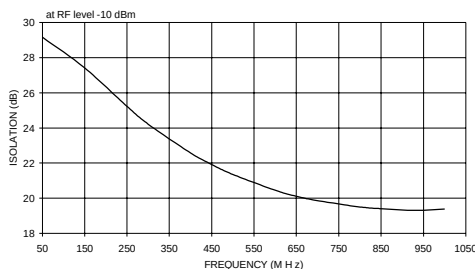


Typical Performance Data

Frequency (MHz)	Insertion Loss		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	(dB) S-1	(dB) S-2						
50.00	3.80	3.49	0.31	29.17	0.08	1.20	1.38	1.30
150.00	3.84	3.53	0.30	27.42	0.28	1.20	1.34	1.27
250.00	3.85	3.56	0.29	25.23	0.57	1.18	1.29	1.25
300.00	3.86	3.58	0.28	24.22	0.67	1.17	1.26	1.23
400.00	3.87	3.62	0.25	22.58	0.95	1.14	1.19	1.20
450.00	3.86	3.62	0.24	21.92	1.08	1.12	1.17	1.19
500.00	3.88	3.65	0.23	21.35	1.21	1.10	1.14	1.18
600.00	3.91	3.72	0.19	20.45	1.47	1.06	1.13	1.18
650.00	3.92	3.74	0.18	20.11	1.53	1.04	1.14	1.19
700.00	3.95	3.79	0.16	19.86	1.66	1.03	1.17	1.21
800.00	4.02	3.89	0.13	19.50	1.80	1.05	1.24	1.25
850.00	4.05	3.95	0.10	19.40	1.84	1.07	1.27	1.27
900.00	4.10	4.02	0.09	19.33	1.93	1.09	1.30	1.29
950.00	4.14	4.09	0.05	19.32	2.00	1.10	1.32	1.30
1000.00	4.19	4.16	0.03	19.39	1.99	1.12	1.34	1.30

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INSERTION LOSS

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ISOLATION



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VSWR

