

H-TAP-XX SERIES DIRECTIONAL COUPLERS

MODELS: H-TAP-1 / H-TAP-1B / H-TAP-2A / H-TAP-4



MODEL H-TAP-1-XX



MODEL H-TAP-1B-XX



MODEL H-TAP-2-XX



MODEL H-TAP-4-XX

FEATURES :

- **1GHz Bandwidth**
- **130dB RFI Shielding** (*Solder-Back*)
- **High Up-Stream Isolation** (*Tap-Out*)
- **High Return Loss**
- **Precision Machined Threads**

HIGH-PERFORMANCE DIRECTIONAL COUPLERS

The THOR H-TAP Series of high-quality directional couplers Have been developed to meet the rigorous requirements of MDU distribution. High return loss and low insertion loss make the H-TAP-XX Series ideal for any application.



SPECIFICATIONS

1-PORT MODELS (H-TAP-1-XX)

*TAPVALUE	6	9	12	16	20	24	27	30
Insertion Loss (dB)(Max)(In-Out)								
5 -47	2	1.5	1	.8	.8	.7	.7	.7
48-450	2	1.5	1	.8	.8	.6	.6	.6
451-750	2.3	1.6	1.3	1	1	.8	.8	.8
751-1000	2.5	2	1.5	1.2	1.2	1	1	1
Isolation(dB)(Out-Tap)								
5 -47	25	30	30	35	40	40	40	41
48-450	25	25	28	30	35	40	40	40
451-750	22	24	25	28	30	35	35	40
751-1000	22	22	22	23	25	30	35	36

2-PORT MODELS (H-TAP-2-XX)

*TAPVALUE	9	12	16	20	24	27	30	
Insertion Loss (dB)(Max)(In-Out)								
5 -47	3.5	1.9	1.5	.7	.7	.7	.7	-
48-450	3.4	1.5	1.3	.6	.6	.6	.6	-
451-750	3.6	2	1.5	.8	.8	.8	.8	-
751-1000	4	2.2	1.7	1	1	1	1	
Isolation (dB)(Out-Tap)								
5 -47	25	35	35	40	45	45	45	-
48-450	25	25	30	35	40	40	40	-
451-750	22	24	28	30	35	35	35	-
751-1000	22	22	23	27	30	30	30	-

4-PORT MODELS (H-TAP-4-XX)

*TAPVALUE	8	12	16	20	24	30		
Insertion Loss (dB)(Max)(In-Out)								
5 -47	Self Term.	3.7	1.4	.9	.9	.9	-	-
48-450	Self Term.	3.9	1.3	.8	.8	.8	-	-
451-750	Self Term.	4	1.7	.9	.9	.9	-	-
751-1000	Self Term.	4.1	1.9	1.1	1.1	1.1	-	-
Isolation(dB)(Out-Tap)								
5 -47	Self Term.	27	30	32	40	45	-	-
48-450	Self Term.	27	28	30	35	40	-	-
451-750	Self Term.	22	26	28	30	37	-	-
751-1000	Self Term.	21	23	25	29	34	-	-

GENERAL	5-47MHz	48-450MHz	451-750MHz	751-1000MHz
Input Return Loss (dB)(Min)	18	20	20	18
Output Return Loss (dB)(Min)	18	20	20	18
Tap Return Loss (dB)(Min)	20	20	20	20