

Electrical Specifications 2-Way Drop Directional Tap, 1 GHz

Specification	Freq (MHz)	08	11	14	17	20	23	26	29
Tap Loss Tolerance Max (+/- dB)	5-14	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	15-40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	41-200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	201-550	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	551-750	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	751-1002	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Insertion Loss Max (+/- dB)	5-14	3.8	2.5	1.0	0.8	0.8	0.6	0.6	0.6
	15-40	3.6	2.4	1.0	0.8	0.6	0.6	0.6	0.6
	41-200	3.6	2.4	1.3	1.0	0.6	0.6	0.6	0.6
	201-550	3.7	2.6	1.3	1.0	0.6	0.6	0.6	0.6
	551-750	3.8	2.8	1.8	1.1	0.8	0.8	0.8	0.8
	751-1002	4.2	3.0	2.2	1.3	1.0	1.0	1.0	1.0
Output to Tap Isolation Min (dB)	5-14	28	28	30	30	30	32	36	38
	15-40	35	35	35	35	35	35	36	38
	41-200	32	32	32	32	32	32	34	36
	201-550	25	26	26	30	30	30	32	34
	551-750	22	24	24	26	28	28	28	30
	751-1002	22	22	22	25	25	25	25	25
Tap to Tap Isolation Min (dB)	5-14	22	22	22	22	22	22	22	22
	15-40	32	32	32	32	32	32	32	32
	41-200	30	30	30	30	30	30	30	30
	201-550	25	25	25	25	25	25	25	25
	551-750	25	25	25	25	25	25	25	25
	751-1002	22	22	22	22	22	22	22	22
Input/Output Return Loss Min (dB)	5-14	20	20	20	20	20	20	20	20
	15-40	22	22	22	22	22	22	22	22
	41-200	20	20	20	20	20	20	20	20
	201-550	20	20	20	20	20	20	20	20
	551-750	20	20	20	20	20	20	20	20
	751-1002	20	20	20	20	20	20	20	20
Tap Port Return Loss Min (dB)	5-14	20	20	20	20	20	20	20	20
	15-40	28	28	28	28	28	28	28	28
	41-200	20	20	20	20	20	20	20	20
	201-550	20	20	20	20	20	20	20	20
	551-750	20	20	20	20	20	20	20	20
	751-1002	20	20	20	20	20	20	20	20

Electrical Specifications

4-Way Drop Directional Tap, 1 GHz

Specification	Freq (MHz)	08	11	14	17	20	23	26	29
Tap Loss Tolerance Max (+/- dB)	5-14	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	15-40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	41-200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	201-550	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	551-750	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2
	751-1002	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Insertion Loss Max (+/- dB)	5-14	–	3.8	2.5	1.4	1.0	1.0	1.0	1.0
	15-40	–	3.6	2.5	1.2	0.8	0.8	0.8	0.8
	41-200	–	3.6	2.5	1.2	0.8	0.8	0.8	0.8
	201-550	–	3.6	2.5	1.4	1.0	0.8	0.8	0.8
	551-750	–	3.8	2.8	1.6	1.2	1.1	1.0	1.0
	751-1002	–	4.1	3.2	2.0	1.4	1.3	1.2	1.2
Output to Tap Isolation Min (dB)	5-14	–	26	28	32	35	35	28	40
	15-40	–	32	35	35	35	35	35	40
	41-200	–	30	32	32	32	32	35	38
	201-550	–	24	26	28	30	32	32	35
	551-750	–	22	22	24	26	28	28	30
	751-1002	–	22	22	24	25	25	25	25
Tap to Tap Isolation Min (dB)	5-14	24	24	24	24	24	24	24	24
	15-40	30	30	30	30	30	30	30	30
	41-200	28	28	28	28	28	28	28	28
	201-550	25	25	25	25	25	25	25	25
	551-750	25	25	25	25	25	25	25	25
	751-1002	22	22	22	22	22	22	22	22
Input/Output Return Loss Min (dB)	5-14	20	20	20	20	20	20	20	20
	15-40	20	20	20	20	20	20	20	20
	41-200	20	20	20	20	20	20	20	20
	201-550	20	20	20	20	20	20	20	20
	551-750	20	20	20	20	20	20	20	20
	751-1002	20	20	20	20	20	20	20	20
Tap Port Return Loss Min (dB)	5-14	20	20	20	20	20	20	20	20
	15-40	25	25	25	25	25	25	25	25
	41-200	20	20	20	20	20	20	20	20
	201-550	20	20	20	20	20	20	20	20
	551-750	20	20	20	20	20	20	20	20
	751-1002	20	20	20	20	20	20	20	20

Electrical Specifications 8-Way Drop Directional Tap, 1 GHz

Specification	Freq (MHz)	12	15	18	21	24	27	30	33
Tap Loss Tolerance Max (+/- dB)	5-14	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	15-40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	41-200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	201-550	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	551-750	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2
	751-1002	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Insertion Loss Max (+/- dB)	5-14	–	3.8	2.6	1.4	1.2	1.0	1.0	1.0
	15-40	–	3.6	2.4	1.2	1.0	0.8	0.8	0.8
	41-200	–	3.6	2.4	1.2	1.0	0.8	0.8	0.8
	201-550	–	3.6	2.4	1.2	1.0	0.8	0.8	0.8
	551-750	–	3.8	2.8	1.5	1.2	1.0	1.0	1.0
	751-1002	–	4.1	3.2	2.0	1.4	1.2	1.2	1.2
Output to Tap Isolation Min (dB)	5-14	–	32	35	35	35	40	40	42
	15-40	–	35	35	35	38	40	45	45
	41-200	–	32	32	32	34	35	35	38
	201-550	–	30	30	30	32	32	32	34
	551-750	–	28	30	30	30	30	30	32
	751-1002	–	28	30	30	30	30	30	32
Tap to Tap Isolation Min (dB)	5-14	24	24	24	24	24	24	24	24
	15-40	30	30	30	30	30	30	30	30
	41-200	26	26	26	26	26	26	26	26
	201-550	25	25	25	25	25	25	25	25
	551-750	25	25	25	25	25	25	25	25
	751-1002	22	22	22	22	22	22	22	22
Input/Output Return Loss Min (dB)	5-14	20	20	20	20	20	20	20	20
	15-40	20	20	20	20	20	20	20	20
	41-200	20	20	20	20	20	20	20	20
	201-550	20	20	20	20	20	20	20	20
	551-750	20	20	20	20	20	20	20	20
	751-1002	20	20	20	20	20	20	20	20
Tap Port Return Loss Min (dB)	5-14	20	20	20	20	20	20	20	20
	15-40	25	25	25	25	25	25	25	25
	41-200	22	22	22	22	22	22	22	22
	201-550	20	20	20	20	20	20	20	20
	551-750	20	20	20	20	20	20	20	20
	751-1002	20	20	20	20	20	20	20	20

CMCDT2000H/V Series

General	
Impedance	75 Ω
Environmental	
Waterproof Test (min)	15 psi
RFI (min)	5-1002, 120 dB
Surge Protection	6 kV Ring Wave Surge per IEEE C62.41 Category A3

