

CATV EQUIPMENTS, OURDOOR USE

1 GHz; 100 dB EMI



2-WAY MULTI-TAP

4/8/11/14/17/20/

23/26/29/32/35 dB

SMT-xx2 SPECIFICATION											
TAP VALUE (dB)	4	8	11	14	17	20	23	26	29	32	35
Insertion Loss (MAX)											
5-10MHz	N/A	3.8	1.8	1.3	1.0	0.8	0.8	0.8	0.8	0.8	0.8
10-450MHz	N/A	4.1	1.8	1.5	1.4	1.0	1.0	1.0	1.0	1.0	1.0
450-550MHz	N/A	4.5	2.2	1.7	1.5	1.2	1.2	1.2	1.2	1.2	1.2
550-750MHz	N/A	4.7	2.8	1.8	1.8	1.4	1.4	1.4	1.4	1.4	1.4
750-1000MHz	N/A	5.0	3.8	2.4	2.2	1.7	1.7	1.5	1.5	1.5	1.5
Tap Loss Tolerance											
5-10MHz	4±1.2	8±1.2	11±1.2	14±1.2	17±1.2	20±1.2	23±1.2	26±1.2	29±1.2	32±1.2	35±1.2
10-600MHz	4±1.2	8±1.2	11±1.2	14±1.2	17±1.2	20±1.2	23±1.2	26±1.2	29±1.2	32±1.2	35±1.2
600-750MHz	4±1.5	8±1.5	11±1.5	14±1.5	17±1.5	20±1.5	23±1.5	26±1.5	29±1.5	32±1.5	35±1.5
750-1000MHz	4±1.5	8.5±1.5	11±1.5	14±1.5	17±1.5	20±1.5	23±1.5	26±1.5	29±1.5	32±1.5	35±1.5
Out to Tap Isolation (dB min)											
5-10MHz	N/A	19	19	20	22	24	26	29	29	30	31
10-450MHz	N/A	24	24	24	28	30	32	33	37	40	43
450-550MHz	N/A	21	23	23	28	30	32	35	37	40	43
550-1000MHz	N/A	19	21	22	25	28	30	33	35	38	40
Tap to Tap Isolation											
5-10MHz	21dB										
10-600MHz	25dB										
600-750MHz	23dB										
750-1000MHz	22dB										
Return Loss											
5-10MHz	17dB										
10-450MHz	19dB										
450-1000MHz	17dB										
Power Passing : 12 AMPs, AC/DC											
Impedance All Ports : 75 OHM											

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4-WAY MULTI-TAP
8/11/14/17/20/
23/26/29/32/35 dB

SMT-xx4 SPECIFICATION										
TAP VALUE (dB)	8	11	14	17	20	23	26	29	32	35
Insertion Loss (MAX)										
5-10MHz	N/A	3.2	1.8	1.3	1.0	0.8	0.8	0.8	0.8	0.8
10-450MHz	N/A	3.5	1.8	1.4	1.2	0.8	0.8	0.8	0.8	0.8
450-550MHz	N/A	4.0	2.3	1.6	1.4	1.2	1.0	1.0	1.0	1.0
550-750MHz	N/A	4.4	3.0	1.8	1.6	1.4	1.2	1.2	1.2	1.2
750-1000MHz	N/A	4.8	3.7	2.2	2.0	1.8	1.5	1.5	1.5	1.5
Tap Loss Tolerance										
5-10MHz	8±1.2	11±1.2	14±1.2	17±1.2	20±1.2	23±1.2	26±1.2	29±1.2	32±1.2	35±1.2
10-600MHz	8±1.2	11±1.2	14±1.2	17±1.2	20±1.2	23±1.2	26±1.2	29±1.2	32±1.2	35±1.2
600-750MHz	8±1.5	11±1.5	14±1.5	17±1.5	20±1.5	23±1.5	26±1.5	29±1.5	32±1.5	35±1.5
750-1000MHz	8±1.5	11.5±1.5	14±1.5	17±1.5	20±1.5	23±1.5	26±1.5	29±1.5	32±1.5	35±1.5
Out to Tap Isolation (dB min)										
5-10MHz	N/A	20	21	23	27	27	28	29	29	30
10-450MHz	N/A	24	25	28	33	33	36	38	40	42
450-550MHz	N/A	22	25	28	32	32	32	38	40	40
550-1000MHz	N/A	20	20	25	30	30	30	32	34	38
Tap to Tap Isolation										
5-10MHz	22dB									
10-600MHz	25dB									
600-750MHz	23dB									
750-1000MHz	22dB									
Return Loss (MIN)										
5-10MHz	17dB									
10-450MHz	18dB									
450-1000MHz	16dB									
Power Passing : 12 AMPS, AC/DC										
Impedance All Ports : 75 OHM										

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8-WAY MULTI-TAP
11/14/17/20/23/
26/29/32/35 dB

SMT-xx8 SPECIFICATION									
TAP VALUE (dB)	11	14	17	20	23	26	29	32	35
Insertion Loss (MAX)									
5-10MHz	N/A	3.6	1.8	1.4	1.0	1.0	1.0	1.0	1.0
10-450MHz	N/A	4.2	2.2	1.6	1.1	1.1	1.1	1.1	1.1
450-550MHz	N/A	4.5	2.5	2.0	1.5	1.2	1.2	1.2	1.2
550-750MHz	N/A	4.6	3.0	2.2	1.8	1.3	1.3	1.3	1.3
750-1000MHz	N/A	4.9	3.2	2.6	2.2	1.5	1.5	1.5	1.5
Tap Loss Tolerance									
5-10MHz	11±1.2	14±1.2	17±1.2	20±1.2	23±1.2	26±1.2	29±1.2	32±1.2	35±1.2
10-600MHz	11±1.3	14±1.3	17±1.3	20±1.3	23±1.3	26±1.3	29±1.3	32±1.3	35±1.3
600-750MHz	11±1.5	14±1.5	17±1.5	20±1.5	23±1.5	26±1.5	29±1.5	32±1.5	35±1.5
750-1000MHz	11±1.5	14±1.5	17±1.5	20±1.5	23±1.5	26±1.5	29±1.5	32±1.5	35±1.5
Out to Tap Isolation (dB min)									
5-10MHz	N/A	20	22	24	26	27	29	31	34
10-450MHz	N/A	21	23	25	27	28	30	32	35
450-550MHz	N/A	25	25	28	32	35	38	40	40
550-1000MHz	N/A	22	25	27	30	30	32	35	38
Tap to Tap Isolation (MIN)									
5-10MHz	22dB								
10-600MHz	25dB								
600-750MHz	23dB								
750-1000MHz	22dB								
Return Loss (MIN)									
5-10MHz	17dB								
10-450MHz	18dB								
450-1000MHz	17dB								
Power Passing : 12 AMPs, AC/DC									
Impedance All Ports : 75 OHM									