



ELECTRICAL SPECIFICATIONS - 3D-LINE 1-WAY TAPS

3DTS106 3DTS108 3DTS110 3DTS112 3DTS116 3DTS120 3DTS124

INSERTION LOSS (dB, Max.) - IN TO OUT

Frequency (MHz)	3DTS106	3DTS108	3DTS110	3DTS112	3DTS116	3DTS120	3DTS124
5 - 10	2.8	1.8	1.8	1.0	0.9	0.9	0.9
10 - 65	2.8	1.8	1.8	1.0	0.9	0.9	0.9
65 - 470	2.8	1.8	1.8	1.0	0.9	0.9	0.9
470 - 862	2.9	2.2	2.1	1.5	1.2	1.2	1.2
862 - 1006	3.2	2.4	2.3	1.7	1.4	1.4	1.4
1006 - 1218	3.5	2.7	2.6	2.2	1.7	1.5	1.5

TAP LOSS (dB) - IN TO TAP

5 - 65	6.5 ± 1.5	8.5 ± 1.5	10.5 ± 1.5	12.5 ± 1.5	16.0 ± 1.0	20.0 ± 1.0	24.0 ± 1.0
65 - 1006	6.5 ± 1.0	8.5 ± 1.0	10.5 ± 1.0	12.5 ± 1.0	16.0 ± 1.0	20.0 ± 1.0	24.0 ± 1.0
1006 - 1218	6.5 ± 1.5	8.5 ± 1.5	10.5 ± 1.5	12.5 ± 1.5	16.0 ± 2.0	20.0 ± 2.0	24.0 ± 2.0

RETURN LOSS (dB, Min.) - ALL PORTS

5 - 1218	22 ⁽¹⁾	22 ⁽¹⁾	22 ⁽¹⁾	22 ⁽¹⁾	22 ⁽¹⁾	22 ⁽¹⁾	22 ⁽¹⁾
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ISOLATION (dB, Min.) - OUT TO TAP

5 - 10	20	22	25	25	32	35	38
10 - 65	25	28	30	30	35	38	42
65 - 470	23	25	27	30	32	35	38
470 - 862	20	20	22	25	30	32	35
862 - 1006	20	20	21	22	28	30	32
1006 - 1218	18	18	20	20	25	26	28

“ HIGH TEMPERATURES CAN DAMAGE SOLDERED COMPONENTS...

We use automated induction soldering meaning shorter exposure for high temperatures. This soldering technology guarantees higher product quality and leads to many benefits such as a better EMC performance.

