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XFFT/XPTF Return Path Attenuator Plug-in Module



KEY FEATURES

- Improves upstream system performance
- Superior performance

The XFFT/XPTF Return Path Attenuator has minimum loss at 54-1003MHz and variable attenuation at 5-40MHz.

The return path attenuator enables the reduction of system return path ingress noise by changing the return path attenuation at the tap, while maintaining low impact on the legacy downstream (54-1003MHz)

XFFT/XPTF Return Path Attenuator Plug-in Module*

Model	Frequency (MHz)	XTL-RA02	XTL-RA04	XTL-RA06	XTL-RA08	XTL-RA10	XTL-RA12	XTL-RA14	XTL-RA16	XTL-RA18
Return Bandwidth (MHz)		5-40	5-40	5-40	5-40	5-40	5-40	5-40	5-40	5-40
Return Attenuation (dB)	5-40	2.5	4.5	6.7	8.5	10.6	12.8	14.8	16.8	18.7
Minimum Return Loss (dB)	5-31 54-1003	22 15	22 15	22 15	22 15	22 15	22 15	22 15	22 15	22 15
Attenuation Tolerance (\pm dB)	5-30 31-40	1.0 4.0	1.0 4.0	1.0 4.0	1.0 4.0	1.0 4.0	1.0 4.0	1.0 4.0	1.0 4.0	1.0 4.0
Nominal Insertion Loss (dB)	5 30 40 52 54 100 300 450 550 750 870 1000	2.3 2.9 4.0 1.4 1.1 0.2 0.2 0.3 0.3 0.4 0.4 0.4	4.5 5.2 7.5 1.5 1.2 0.2 0.2 0.3 0.5 0.4 0.4 0.4	6.5 7.1 10.0 1.4 1.1 0.3 0.2 0.3 0.3 0.6 0.7 0.8	8.4 8.6 11.9 1.1 1.1 0.2 0.2 0.1 0.1 0.4 0.5 0.3	10.9 11.0 13.8 1.6 1.2 0.3 0.2 0.3 0.3 0.4 0.4 0.5	12.8 12.8 15.3 1.4 1.1 0.2 0.1 0.3 0.3 0.3 0.3 0.3	14.6 14.5 17.8 1.7 1.2 0.3 0.1 0.3 0.3 0.3 0.4 0.4 0.4	16.5 16.0 18.5 1.3 1.1 0.3 0.1 0.3 0.5 0.5 0.2 0.2	18.8 17.2 21.7 1.4 1.2 0.3 0.2 0.2 0.2 0.2 0.2 0.2

*Please note that this specification does not include tap loss as it may vary from tap to tap.

*In the interest of product improvement specifications are subject to change.

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