



MICROLAB/FXR Cable Attenuator

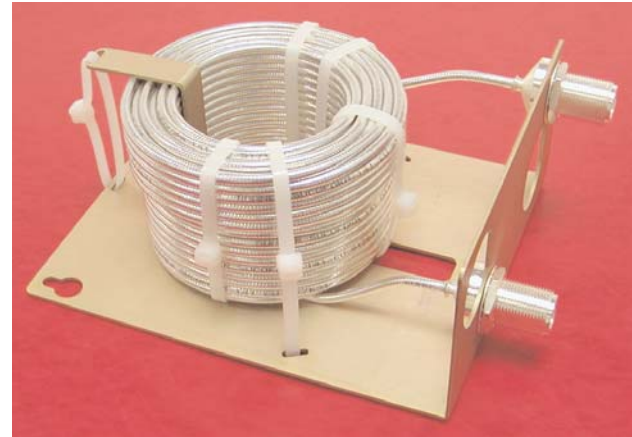
TK series

Cable Attenuator for Low PIM Loads
40W, 800 - 2,200 MHz

- ◆ Forms Low PIM Termination to 40W
- ◆ 1.10:1 or better VSWR
- ◆ N or 7-16 mm DIN
- ◆ Low Cost Design
- ◆ RoHS compliant
- ◆ Ideal for wireless applications

Microlab/FXR Cable Attenuators are intended as medium power attenuators or coaxial loads for wireless applications, when extremely low PIM, Passive Intermodulation, is required. A typical application is in terminating the unused ports of a Hybrid Coupler used to combine different wireless signals.

The Cable Attenuator is mounted on an easily mounted metal frame to ensure cable to connector stability and for extended life. Each end of the attenuator is fed to either an N or a 7-16 mm DIN connector, mechanically fixed to provide extended life and maximum operational flexibility. (8/06)



PIM (open end): <-155 dBc when cold
<-175 dBc typ. after 30 min.
(measured with two 20W tones)

Power Rating: 40W average, 5 kW peak

Impedance: 50Ω

Housing Finish: passivated steel

Connectors: N (f) or 7-16 mm DIN (f)

Finish: Silver or triplate

Weight, nom. 2.2 lbs, (1.0 kg)

Model Number	Loss-Frequency in MHz, typ.				VSWR at 800 MHz*		VSWR at 2200 MHz		Weight nom. lbs (kg)
	800	960	1700	2200	into 50Ω	open end	into 50Ω	open end	
TK-10NN	6.8	7.5	10.2	11.8	<1.10:1	<1.6:1	<1.10:1	<1.25:1	2.2 (1.0)
TK-10DN	6.8	7.5	10.2	11.8	<1.10:1	<1.6:1	<1.10:1	<1.25:1	2.2 (1.0)
TK-10DD	6.8	7.5	10.2	11.8	<1.10:1	<1.6:1	<1.10:1	<1.25:1	2.2 (1.0)

*Contribution of PIM due to 50Ω termination will be lower by four times the cable loss at the test frequency.

