Dual 50W Low PIM Cable Load, TK-40FD

Dual Cable Load for Laboratory PIM Test Applications
400 - 3,000 MHz, N connectors
Rev. A

- Exceptional PIM typically <-165dBc
- 50W average power for 2 minutes
- Low VSWR
- RoHS compliant
- For laboratory test applications
- For reliable consistent PIM testing
- Stackable, portable

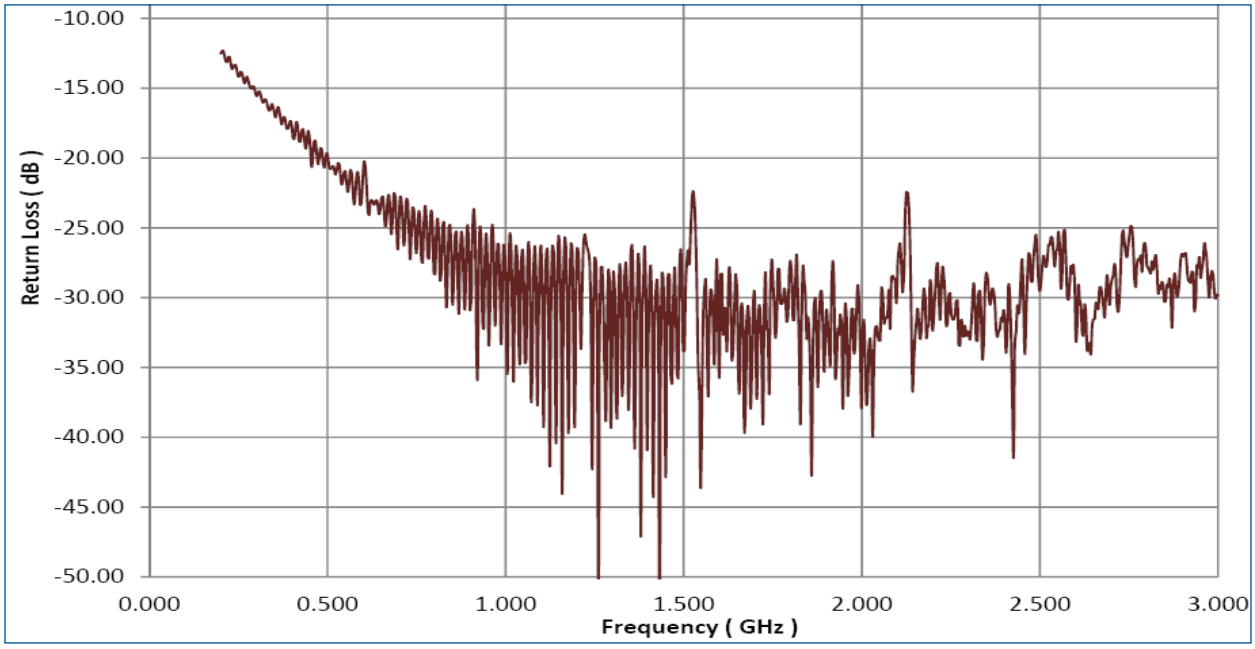
Microlab TK-40FD Dual 50W Cable Load is intended for wireless test applications in the laboratory, when terminations with extremely low PIM, Passive Intermodulation, are required. These loads assume the span of such tests are less than than two minute duration. Such loads are particularly necessary when performing system or component PIM performance tests.

Basic frequency range is 698 - 2700 MHz but it performs down to 400 MHz with a degraded VSWR. A typical return loss shown in the graph below.

The Cable Load is designed to be stacked for bench convenience. Unit is designed to be rugged and minimally affected by changes in temperature. (03/14)

Frequency:	400 - 3000 MHz
Return Loss:	1.3:1 max at 400-698 MHz 1.2:1 max at 698-3000 MHz (See graph for typical performance)
PIM:	-165 dBc max. above 1000 MHz -160 dBc max, below 1000 MHz with 2 x 20W tones at 25°C
Power Rating:	50W avg., 3 kW pk/input for 2 minutes *Derate -2.5%/°C.above 55°C
Environment:	-35 to +55°C ambient max.
Surface Temp:	+90°C max. (per IEC 60950)
Impedance:	50Ω nom.
Housing Finish:	Black paint on aluminum
Connector:	7-16 DIN(f) Triplate
Weight:	10 lb., 4.5 kg. nominal
Dimensions, nom:	10" x 8" x 4" (254 x 203 x 102 mm) excluding connectors and handle.

Typical TK-40FD Input Return Loss



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