Low PIM UWB Cable Load, TK-600 Series

Cable Loads for 5G UWB Applications
350 - 5,925 MHz
Rev. H

- Ultra-wide band for 5G applications
- 5, 10, & 25W Power Levels
- Guaranteed Low PIM
- Compact Size for easy installation
- IP67 Rated
- RoHS compliant
- Available in 4.3-10, NEX10™, and 2.2-5 connectors

TK-610MG

TK-610MT

NEX10™ Boot

TK-625ME

Microlab TK-600 series of cable loads are ultra-wideband design for 5G NR & C-band applications, where extremely low passive inter-modulation is required. A typical application is terminating unused ports on small cell radios. Designers can use this cable load with Microlab's 2x2 and 4x4 hybrid combiners to provide superior low PIM performance. Units are black anodized for outdoor applications and meet 30 days ASTM B117 Salt Fog Testing when used with a weather boot.

4.3-10	2.2-5	NEX10™	Gender	Power Avg.*
TK-605ME	TK-605MG	TK-605MT	Male	5 W
TK-605FE			Female	5 W
TK-610ME	TK-610MG	TK-610MT	Male	10 W
TK-610FE			Female	10 W
TK-625ME			Male	25 W
Termination with Weather Protection Boot		TK-605BMT	Male	5 W
		TK-610BMT	Male	10 W

*Derate Average Power by -1.5%/°C above 55°C ambient.

Frequency:	350 - 5925 MHz
VSWR:	
0.35-0.4 GHz:	< 1.30:1 max., 1.20:1 typ.
0.4-2.7 GHz:	<1.20:1 max., 1.10:1 typ.
2.7-3.8 GHz:	< 1.30:1 max., 1.20:1 typ.
3.8-5.9 GHz:	< 1.35:1 max., 1.25:1 typ.
PIM:	
TK-605 & TK-610:	-161dBc (-124 dBm) min.
TK-625ME:	-161 dBc (-120 dBm) min. (Test 2x tones at max power@ambient)
Peak Power:	5 kW peak
Environment:	-35 to +55°C ambient, IP67 30 days Salt Fog ASTM B117
Surface Temp:	+65°C max. per IEC 60950
Impedance:	50Ω nom.
Housing Finish:	Black anodized aluminum
Connector:	Triplate finish
Weight:	0.44 lbs (199 g) 0.80 lbs (363 g) for TK-625ME

TK-605/610ME Outline

TK-625ME Outline

TK-605/610 NEX10 & 2.2-5 Outline

Dimensions in inches [mm]

Note: Specifications are subject to change without prior notification.

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