

- ◆ Ultra-wide band for 5G applications
- ◆ 5, 10, 25, & 40W 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



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	TK-625MG		Male	25 W
Termination with Weather Protection Boot		TK-605BMT	Male	5 W
		TK-610BMT	Male	10 W
TK-640ME			Male	40 W

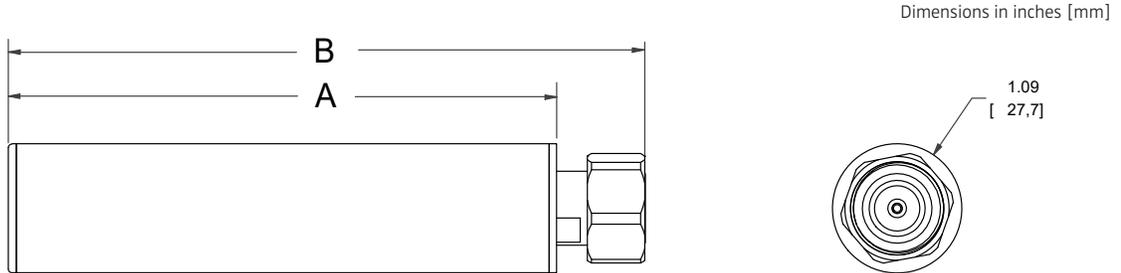
*Derate Average Power by 0.5W/°C above 45°C ambient.

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-625 & TK-640:	-161 dBc (-120 dBm) min.
	(Test 2x tones at max power@ambient)
Peak Power:	5 kW peak
Environment:	-40 to +55°C ambient, IP67 30 days Salt Fog ASTM B117
Impedance:	50Ω nom.
Housing Finish:	Black anodized aluminum
Connector:	Triplate finish
Weight:	See Outline Section
Dimensions:	See Outline Section

Note: Specifications are subject to change without prior notification.

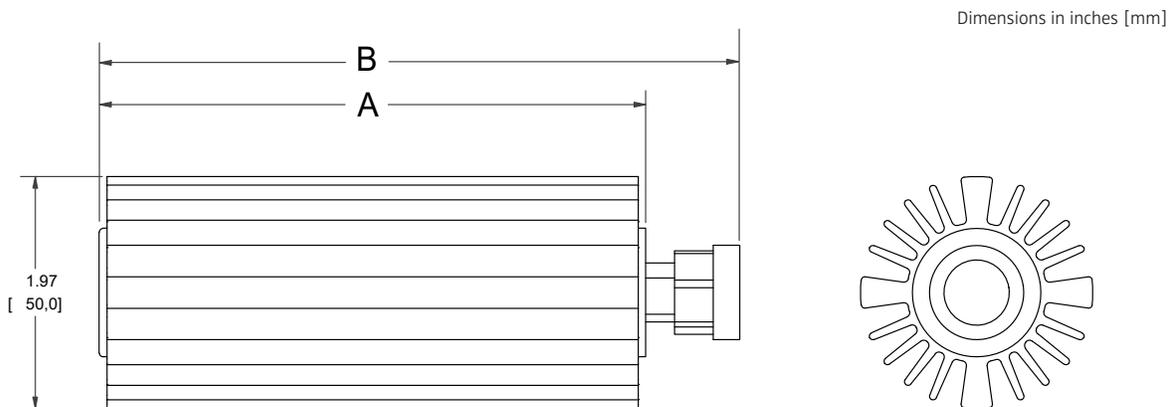
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TK-605 & TK-610 Outline



Part Number	Dimension A in[mm]	Dimension B in[mm]	Weight lb (g)
TK-605FE	4.63[117.6]	5.4[137.2]	0.51[232]
TK-605MG	4.63[117.6]	5.43[137.9]	0.51[232]
TK-605ME	4.63[117.6]	5.37[136.4]	0.51[232]
TK-610FE	4.63[117.6]	5.4[137.2]	0.51[232]
TK-610MG	4.63[117.6]	5.43[137.9]	0.51[232]
TK-610ME	4.63[117.6]	5.37[136.4]	0.51[232]
TK-605MT	3.88[98.6]	4.76[120.9]	0.44[199]
TK-605BMT	3.88[98.6]	4.76[120.9]	0.44[199]
TK-610MT	3.88[98.6]	4.76[120.9]	0.44[199]
TK-610BMT	3.88[98.6]	4.76[120.9]	0.44[199]

TK-625 & TK-640 Outline



Part Number	Dimension A in[mm]	Dimension B in[mm]	Weight lb (g)
TK-625MG	4.13[104.9]	4.93[125.2]	0.80[363]
TK-625ME	4.13[104.9]	4.87[123.7]	0.80[363]
TK-640ME	4.63[117.6]	5.37[136.4]	0.94[428]

Note: Specifications are subject to change without prior notification.