

- ◆ Extended bandwidth for CBRS and Band43 applications
- ◆ 100W average power
- ◆ Guaranteed Low PIM
- ◆ Low VSWR
- ◆ Convenient Size
- ◆ For indoor/outdoor applications
- ◆ IP67 and RoHS compliant
- ◆ N-type, 7/16 DIN & 4.3-10



TK-3100FD



Microlab TK-3100 series of 100W Cable Loads are extended bandwidth design for CBRS and Band43 applications, where extremely low Passive inter-modulation is required. A typical application is in terminating the unused port of a Hybrid Coupler used to combine different wireless signals. This is also offered as a discrete product in the CT series of low PIM hybrid combiners.

For IEC 60950 compliance (surface temperature no greater than 90°C) at full power at 55°C ambient, air flow over the fins is required.

Frequency: 350 - 3800 MHz
 Power Rating†: 100W avg., 5 kW peak
 PIM: -161 dBc (-118 dBm)
 (Tested with 2x +43 dBm tones at 25°C)
 Environment: -35 to +55°C, IP67
 Surface Temp: +110°C max.*
 Impedance: 50Ω nom.
 Connector Finish: Flange Triplate
 Weight, nom: 5.55 lb., 2.50 Kg
 Enclosure: Black epoxy paint, mounting bracket supplied

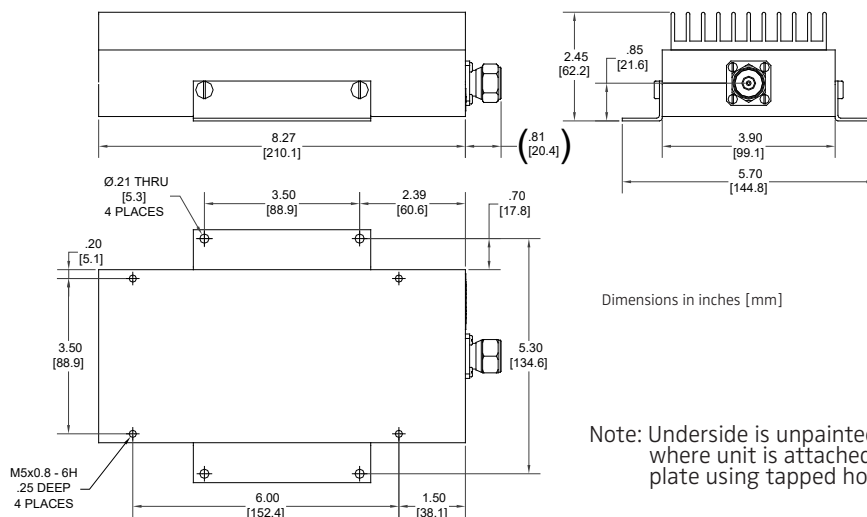
* Measured on heat sink fin, at full power into a unit that is mounted in a 2 RU and 19" box, all enclosed and without cooling, at 25°C external ambient temperature

† Derate Avg Power by -1.2%/°C above 55°C ambient

Gender	Model Number and Connector		
	N Type	7/16 DIN	4.3-10
Female	TK-3100FN	TK-3100FD	TK-3100FE
Male	TK-3100MN	TK-3100MD	TK-3100ME

VSWR					
350-698 MHz typ.		698 - 2700 MHz typ.		2700 - 3800 MHz typ.	
max.		max.		max.	
1.20:1	1.25:1	1.10:1	1.15:1	1.15:1	1.20:1
*7/16 DIN VSWR: 1.20:1 max					

TK-3100 Outline



Note: Specifications are subject to change without prior notification.

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