



OUTDOOR / INDOOR High Stability 10MHz Reference Bias Tee for BUC or LNB

Features:

- Super Compact, Robust & Mountable
- IFL Powered or External 12 60VDC up to 5A
- 10MHz Ref. AUTO SENSE & DETECT
- Pass through DC, IF (L-Band), FSK, Int./Ext. Ref
- LED DC Power & Internal Reference Indicators
- IP 67 Compliant
- Internal Polarity Protection
- Low Insertion and Return Loss
- Built in DC filters



TECHNICAL SPECIFICATIONS		Internal 10MHz Ref. Spec.	
IF Input Signals Pass through	IF (L-Band), FSK, and 10MHz Ref. Internal/External	Stability $\pm 1 \times 10-8$ maximum over temp.	
IF Frequency Input	950 to 2150 MHz	Aging ±1 x 10–8/year maximum	
FSK Frequency Input	550 - 750 kHz	Phase noise (SSB)	
External Auxilary DC Input Range	12 to 60 Vdc, up to 5A	100 Hz	-140 dBc / Hz (max.)
DC Input Connector	2 Pin, Pin A (+) Pin B (-)	1 kHz 10 kHz	-150 dBc / Hz (max.) -155 dBc / Hz (max.)
Reference Input	10 MHz (Internal/External)	100 kHz	-165 dBc / Hz (max.)
Insertion Loss IF	0.8 dB max over temp	10MHz Output Level	5dBm ±2 dBm
Insertion Loss FSK	1.5 dB max over temp	Warm-Up Time at 25° C	<2 min
Insertion Loss 10MHz	0.8 dB max over temp	Total Power Consumption	3W Max
Coax Input / Output Connector	N-type / N-type	10Mhz Reference Auto Sense & Detect Function: If 10Mhz Reference on the input is absent or below	
Operating Storage Temperature	- 40 to + 60 °C - 60 to + 85 °C		
Relative Humidity	100% non-condensing		

Dimensions (No Connectors)

Weatherproof Rating

Weight





Compliant with IP 67

4" x 4" x 1.2" inches (101.2 mm x 103 mm x 30 mm)

1.3 lbs (590 g)

If 10Mhz Reference on the input is absent or below -5dBm the internal 10MHz reference will be applied on the output and the LED will light up yellow. DC input LED will be lit Green.



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