

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
- ◆ 3 Year Warranty

[Visit Product Page](#)



| 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 $\pm 1 \times 10^{-8}$ /year maximum | |
| FSK Frequency Input | 550 - 750 kHz | Phase noise (SSB) | |
| External Auxiliary 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 | -150 dBc / Hz (max.) |
| Reference Input | 10 MHz (Internal/External) | 10 kHz | -155 dBc / Hz (max.) |
| Insertion Loss IF | 0.8 dB max over temp | 100 kHz | -165 dBc / Hz (max.) |
| Insertion Loss FSK | 1.5 dB max over temp | 10MHz Output Level | 5dBm ± 2 dBm |
| Insertion Loss 10MHz | 0.8 dB max over temp | Warm-Up Time at 25° C | <2 min |
| Coax Input / Output Connector | N-type / N-type | Total Power Consumption | 3W Max |
| Operating Storage Temperature | - 40 to + 60 °C - 60 to + 85 °C | 10MHz Reference Auto Sense & Detect Function: 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. | |
| Relative Humidity | 100% non-condensing | | |
| Weatherproof Rating | Compliant with IP 67 | | |
| Dimensions (No Connectors) Weight | 4" x 4" x 1.2" inches (101.2 mm x 103 mm x 30 mm) 1.3 lbs (590 g) | | |

