

**SATCOM RECEIVER**

# BDC

## S-band BDC

### BD2000



### TYPICAL SPECIFICATIONS

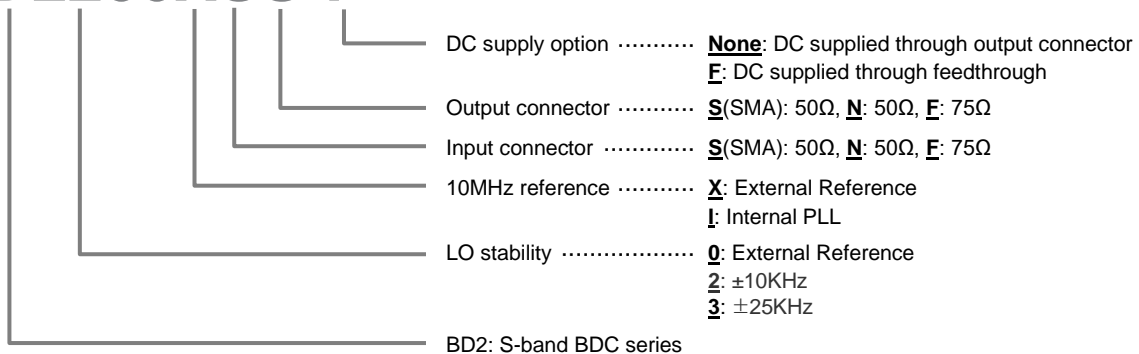
<b>Noise Figure</b>	7.0dB max @23°C	<b>RF input level</b>	-20dBm max
<b>LO stability</b>	BD2200I: ±10 KHz BD2300I: ±25 KHz BD2000X: phase locked to external reference	<b>Image Rejection</b>	40dBc min
<b>Phase noise</b>	-75dBc @1KHz -85dBc @10KHz -100dBc @100KHz	<b>DC power</b>	+12 to +24 V supplied through IF output connector or feedthrough
<b>Input VSWR</b>	2.5 : 1	<b>DC current</b>	300mA
<b>Output VSWR</b>	2.0 : 1	<b>Input connector</b>	SMA-female, N-female, F-female
<b>Conversion gain</b>	35dB typ	<b>Output connector</b>	SMA-female, N-female, F-female
<b>Gain flatness</b>	±2.0dB max.	<b>Dimension</b>	93.5(L) x 63(W) x 37(H) mm
<b>Output P1dB</b>	+5dBm min	<b>Operating temperature</b>	-40 to +60°C

### FREQUENCY BANDS AVAILABLE

	Band
RF freq.(GHz)	2.170 ~ 2.655
LO freq.(GHz)	3.605
IF freq. (MHz)	950 ~ 1435

### HOW TO ORDER S-BAND BDC

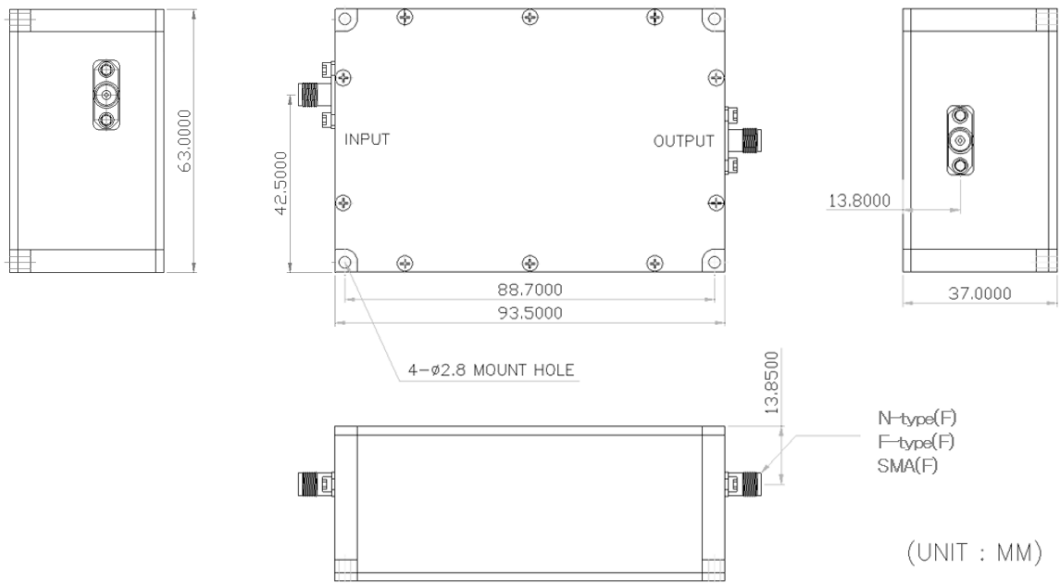
## BD2200XSS-F



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**OUTLINE DRAWING**

**[DC supplied through output connector]**



**[DC supplied through feedthrough]**

