

DIAMOND SERIES

MODEL 355 Ka-MULTIBAND nanoBUC™ HUB

- 28 - 31 GHz
- User Switchable IF
- 20dBm Power Output
- Serial or Ethernet M & C
- User Defined Lineariser



355 Ka-MULTIBAND nanoBUC HUB

SPECIFICATIONS											
RF Frequency	28.0 to 31.0 GHz, in switchable bands										
IF Frequency	950-2000 MHz, user selectable										
P1dB	20dBm										
Gain	25 dB (typ)										
Gain Flatness	± 0.2 dB (40 MHz Channel) ± 1.0 dB (per 1000 MHz Band)										
Gain Variation	± 1.0 dB over -30 to +55°C										
IF Input Connector	N(f)										
Input Return Loss	14 dB										
RF Output Connector	K(f)										
Output Return Loss	10 dB										
External Reference	10 MHz at 0 dBm ± 3 dB, via L-band Input										
Phase Noise	<table border="0"> <tr> <td>100 Hz</td> <td>-65 dBc/Hz</td> </tr> <tr> <td>1 kHz</td> <td>-75 dBc/Hz</td> </tr> <tr> <td>10 kHz</td> <td>-85 dBc/Hz</td> </tr> <tr> <td>100 kHz</td> <td>-95 dBc/Hz</td> </tr> <tr> <td>1 MHz</td> <td>-115 dBc/Hz</td> </tr> </table>	100 Hz	-65 dBc/Hz	1 kHz	-75 dBc/Hz	10 kHz	-85 dBc/Hz	100 kHz	-95 dBc/Hz	1 MHz	-115 dBc/Hz
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Output Spurious	-60 dBc at 5 dBm										
Tx Band Noise Density	-120 dBm/Hz										
Rx Band Noise Density	-150 dBm/Hz (up to 21.2 GHz)										
M&C Connector	MS27466T11F35S										
Monitor & Control	Interface RS485 <ul style="list-style-type: none"> • Gain Control +0/-31dB, 0.25dB step • Summary Alarm • Mute Set and Read • Output Power of PA (when paired with PA module) 										
PA Connector	MS3112E12-10S										
Input Voltage	+18 to 50V DC (non-isolated)										
Power Consumption	<10W										
Operating Temperature	-30 to +55°C										
Size	100 x 100 x 40 mm										
Weight	800g										