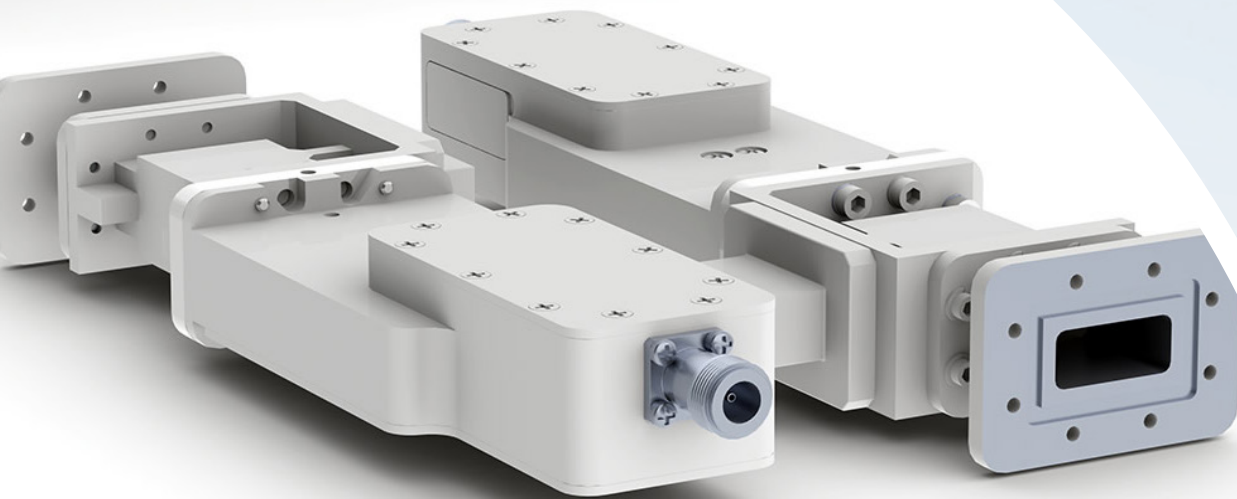


PRODUCT INFORMATION
& SPECIFICATIONS

01-284A X-BAND LNB DOWN CONVERTER



01-284A X-BAND LNB DOWN CONVERTER

SPECIFICATIONS											
FR Input Frequency	7.25 to 7.75 GHz										
Noise Figure	0.8 dB with isolator (typical) Noise Temperature 60K (typical)										
Input Connector	CPR 112 or CMR 112 with supplied adaptor										
Input Return Loss	19 dB										
Input Stability	Unconditionally stable for all possible input load										
IF Output Frequency	950 to 1450 MHz										
Output Connector	N-type Female, 50 ohm										
Output Return Loss	12 dB										
Output Stability	Unconditionally stable for all possible output loads										
Conversion Gain	70 dB										
Gain Flatness	3 dB p-p over full band 1 dB p-p over any 40 MHz segment										
Gain Variation over Temp	± 3.0 dB maximum										
1dB Compression Point	> 15 dBm										
3rd Order Intercept	> 25 dBm										
External Reference	10 MHz, 0 dBm ± 3dB, via IF connector										
Desensitisation	-30dBm (7.9 - 8.4GHz)										
Filtering	Includes embedded interstage Tx Filter > 50 dB rejection										
Image Rejection	> 70dBc										
Phase Noise	<table> <tr> <td>100 Hz</td><td>100 Hz</td></tr> <tr> <td>1 kHz</td><td>1 kHz</td></tr> <tr> <td>10 kHz</td><td>10 kHz</td></tr> <tr> <td>100 kHz</td><td>100 kHz</td></tr> <tr> <td>1 MHz</td><td>1 MHz</td></tr> </table>	100 Hz	100 Hz	1 kHz	1 kHz	10 kHz	10 kHz	100 kHz	100 kHz	1 MHz	1 MHz
100 Hz	100 Hz										
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10 kHz	10 kHz										
100 kHz	100 kHz										
1 MHz	1 MHz										
LO Leakage at Input	-45 dBm maximum										
In Band Spurious	-70 dBm										
DC Input	+11 to 30V DC, 400mA maximum, via IF connector										
Operating Temp	-30 to +60°C										
Relative Humidity	Up to 100% condensation and frost										
Mass	900 grams 2 lb										
Size	225mm x 86mm x 45mm (including isolator) - (8.9" x 3.4" x 1.8")										