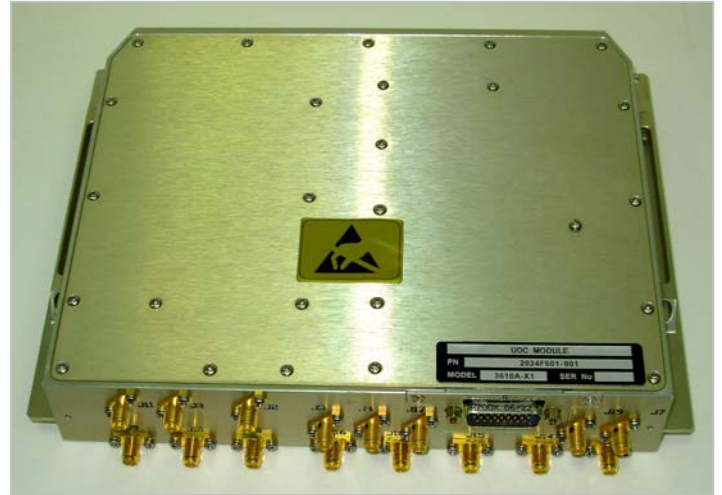


GENERAL DESCRIPTION

The UDC is a compact module designed for integration with RTS (Radar Test Simulator). The unit enables down converting of microwave bands to low IF bands and features wide IF band width.



KEY FEATURES

- Down Conversion of the received RF Signal
- Up Conversion of the processed IF signal
- Internal Fixed / External LO Generator
- Digital control attenuation

APPLICATIONS

- Up/Down conversion featuring medium noise figure
- High level of Spurious Rejection for wide IF band width

ELECTRICALL SPECIFICATIONS

Transmitter Section

Pout	-10 dBm
3dB Band Width	700 MHz
In Band Spur. Rejection	55 dBc
Operating Temp.	-20° to +70° C
Internal LO Phase Noise	@ X-Band
	@ 10 KHz offset -100 dBc/Hz
	@ 100 KHz offset -110 dBc/Hz

ELECTRICALL SPECIFICATIONS

Receiver Section

Noise Figure	8 dB max
Output level	-10 dBm max.
3 dB Band Width	220 MHz
In Band Spurious Rejection	55 dBc

Note: Specifications are subject to change without notice.