



L BAND DOWN CONVERTER

PRODUCT OVERVIEW

The **DEFEL IFL2040** is a next-generation, fully synthesized combined L-Band Down Converter, designed to offer an advanced yet cost-effective solution for systems requiring an IF interface at 140 MHz. It delivers exceptional performance and reliability, making it an ideal choice for modern satellite communication systems.



Down Converter

Parameter	Specification
Input Frequency	950 to 2000 Mhz
Output Frequency	140 $\pm$ 36 MHz
Frequency Step Size	50 KHz
Input Power	0 to -70 dBm
Gain	$\geq$ 0 dB
Gain Flatness	$\pm$ 2 dB
Input Return Loss	14 dB
Output Return Loss	14 dB
Spurious	-40 dBc at 0dBm output
Phase Noise	As per IESS 308/309, or better
Input Connector	N type(F) - 50 Ω
Output Connector	BNC (F) - 75 Ω

General Technical Specifications

Parameter	Specification
Serial M & C Interface	RS 232
Local M & C	Via Keypad & LCD display, LED for Power & Fault Monitoring
Remote Interface	Ethernet webpage and SNMP
Power Supply	220VAC $\pm$ 5%; 50Hz
Operating Temperature	0°C to +50 °C
Storage Temperature	-20°C to +65°C
Relative Humidity	95% Non-Condensing