

## Automatic frequency control

RTDAFC Amplifier/Discriminator accept pulsed signals and provide a DC output voltage which is a monotonic function of the frequency error.



### Key Features

- 30 MHz to 160 MHz Frequency Range
- Stable output

### Optional Specifications

Power Supplies	±12V DC (add suffix C)
Negative Transfer Slope	add suffix N

### General Specifications

INPUT PULSE REPETITION	100 Hz to 10 KHz
SOURCE IMPEDANCE	50 Ohms
TEMPERATURE RANGE	-30°C to +71°C
LOAD IMPEDANCE	1 KOhms
POWER REQUIREMENTS	± 15 VDC
CONNECTORS	SMA

**Design Note:** Radar Technology can customize any of our products to meet your individual system requirements. RTI also offers many form, fit, function replacements to old RHG Electronics Amplifiers.

### Specification Table

Model	Center Frequency (MHz)	Peak to Peak Bandwidth (MHz)	Pulse Width (nsec)	Input Level Range (dBm)
RTDAFC-30	30	20	300	-10 to 0
RTDAFC-60	60	40	150	-10 to 0
RTDAFC-160	160	60	100	-10 to 0

\*Parameters can be modified to meet specific application requirements