

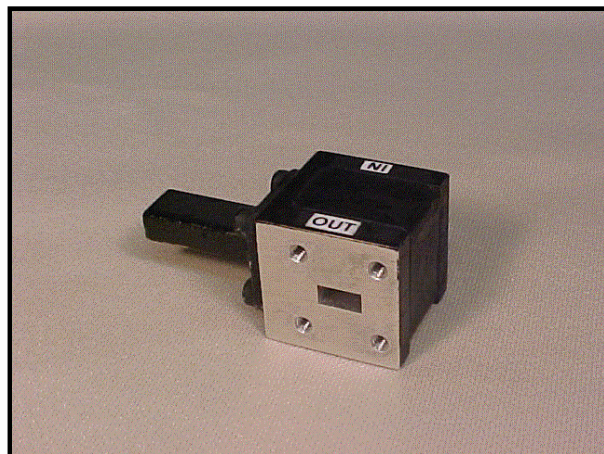
## Full Band Junction Circulators and Isolators

### FEATURES:

- ❖ Full waveguide band operation
- ❖ Low insertion loss
- ❖ High Isolation
- ❖ Compact

### APPLICATIONS:

- ❖ Test setup
- ❖ Instrumentation
- ❖ Subsystems
- ❖ Transceivers



### DESCRIPTION:

**Cernex CFI** series full band waveguide junction isolators and **CFC** series full band waveguide junction circulators are available in K and Ka waveguide bands. These isolators and circulators feature low insertion loss and high isolation for full waveguide bands operation. With H-plane junction configuration, the full band junction isolators offer lower insertion loss when compared to the isolators using the Faraday-rotation construction, while the full band circulators offer unique full band operation features for three port isolation. These devices are ideally suited for broad band communication systems or test instrument application.

### CFI & CFC Series

### SPECIFICATIONS:

Frequency Band	K	Ka
Model numbers	CFI18260319 / CFC18260319	CFI26400419 / CFC26400419
Frequency Range (GHz)	18 to 26.5	26.5 to 40.0
Waveguide Size	WR-42	WR-28
Insertion Loss (dB max)	0.3	0.4
Isolation (dB min)	19	19
VSWR (max)	1.25:1	1.25:1

### OUTLINES:

