



**3A1NDA**

## High Power Lumped Element Coaxial Circulator, 3A1NDA

For medical applications, REC has designed a new 70 MHz, 1.5 KW circulator that is optimized for power/temperature performance.

### PRODUCT FEATURES

- Patented lumped element design
- Low insertion loss
- Compact footprint

### BENEFITS

- Optimizes size and insertion loss
- High reliability
- Excellent thermal stability

### SPECIFICATIONS

Frequency	70 MHz $\pm$ 2 MHz
Overall Power	1.5 KW (MAX)
Load Required @ Port 3	1 KW (External)
VSWR (MAX)	1.25:1 @ 70 MHz, 1.40:1 otherwise
Insertion Loss (Port 2-1)	0.7 dB (MAX) 0.25 dB @ 70 MHz
VSWR (into matched loads)	1.40:1 (MAX)
Isolation (Port 2-1)	14 dB (MIN) 18 dB @ 70 MHz
Operational Temperature	+50°C to +80°C
Size	5.20" x 5.15" x 1.61"