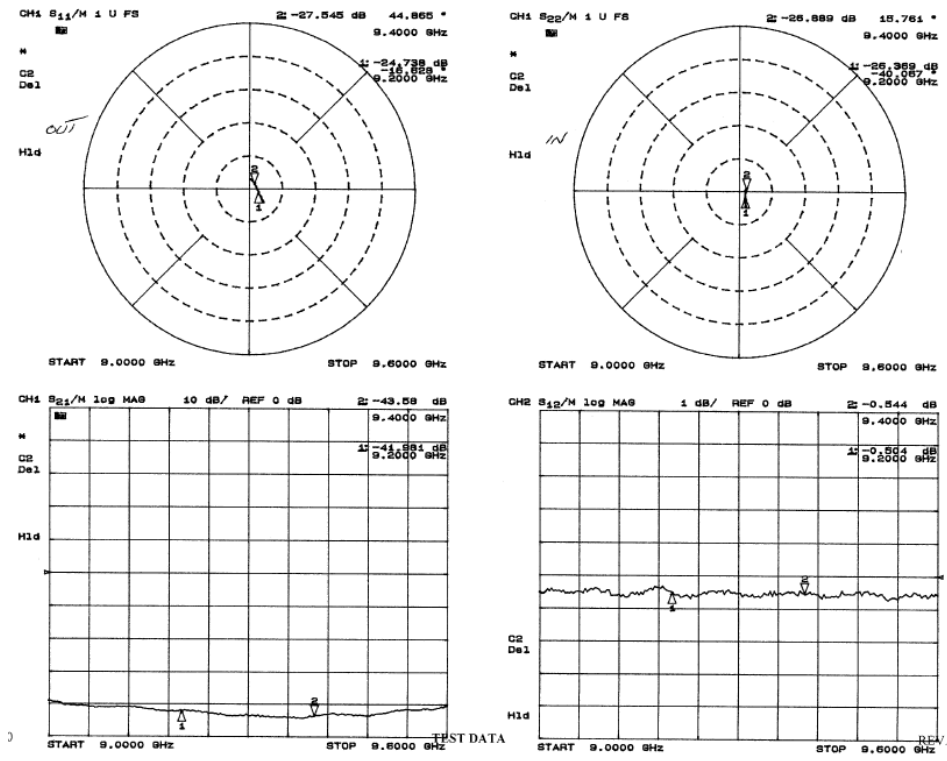


## 9.2 – 9.4 GHz Dual Junction Circulator, X-band, 3E8NHL



Renaissance's latest dual-junction X band, high power drop-in circulator has very low insertion loss of 0.3 dB per junction and typical return loss of 23 dB over 9.2 to 9.4 GHz. With a power handling of 500 W Peak and 50 W average, it is ideal to duplex a high power amplifier to an antenna and receiver.

**3E8NHL**



## Features and Benefits

- Ideal to protect HPA or duplex with Antenna/Receive
- Dual junction provides 40 dB isolation to Transmitter
- Compact size reduces overall front-end dimensions
- Low insertion loss improves link budgets
- Low VSWR provides higher system efficiency
- High isolation improves systems fidelity
- Industrial temperature range

## Specifications

Frequency	9.2 – 9.4 GHz
Insertion loss per junction	0.3 dB
Isolation per junction	20 dB
VSWR	1.22: 1
Power (CW)	50 Watts
Power (PK)	500 Watts
Temperature	-55°C to 70°C
Size	.800" x .500" x.21"