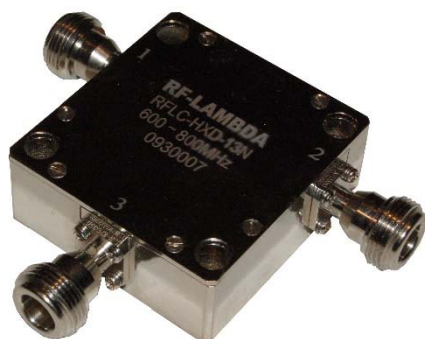




100W Wide Band Circulator 75-90MHz



- High power handle capability up to 100W
- Wide band operation
- High isolation within operational band
- Low Insertion loss
- Low temperature coefficient ferrite material offer stable performance over temperature
- Aerospace and military application
- LMDS multi-carrier operation
- High peak to average handle capability
- All specifications can be modified upon request

| Parameter | Min | Type | Max | Units |
|-------------------------|--|------|------|----------|
| Frequency Range | 75-90 | | | MHz |
| Insertion Loss | 0.5 | 0.6 | 0.8 | dB |
| Isolation (Note 1) | 20 | 22 | 23 | dB |
| VSWR | 1.07 | 1.19 | 1.25 | :1 |
| Forward Power (CW) | | | 100 | W |
| Reverse Power (CW) | | | 100 | W |
| Weight | 250 | | | g |
| Rotation | Clockwise (Standard) Counter Clockwise (upon request) | | | |
| Impedance | 50 | | | Ω |
| Input /Output Connector | N-Female | | | |
| Finishing | Nickel Plating | | | |
| Case Material | Aluminum/copper | | | |
| Operational Temp. | -20 | | 70 | °C |
| Storage Temp. | -40 | | 85 | °C |
| Altitude | 15000 | | TBD | ft. |
| Vibration | 10g 15 degree 2KHz | | | RMS |
| Humidity | 100% RH at 35c, 95%RH at 40°C | | | |
| Shock | 20G for 11msc. | | | |

Note 1: Unit has narrow frequency bandwidth can achieve higher isolation & low insertion loss

Bandwidth (5 ~10) % x Center Frequency (Isolation >25dB)

Bandwidth (20~30) % x Center Frequency (Isolation >20dB)

Bandwidth (40~60) % x Center Frequency (Isolation >17dB)

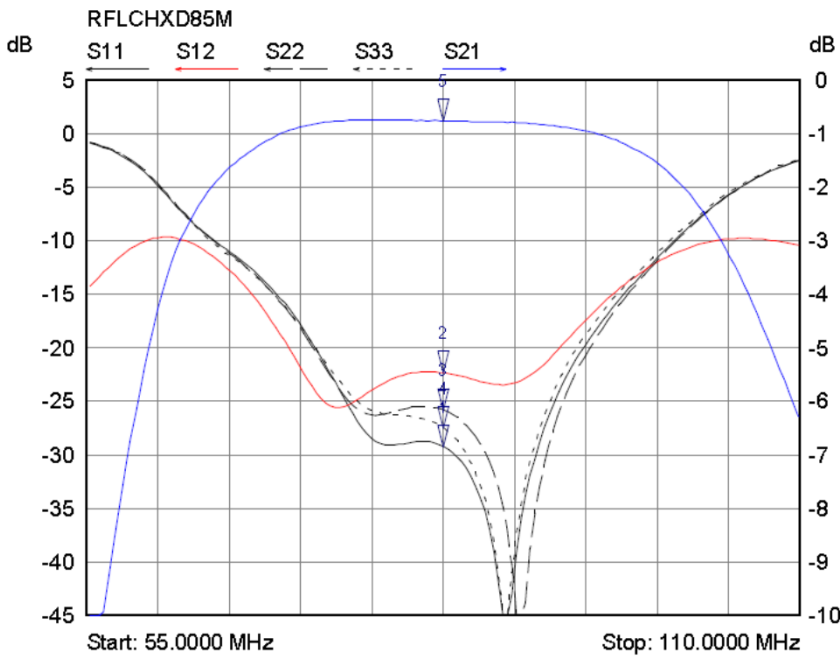
Ask manufacture for detail



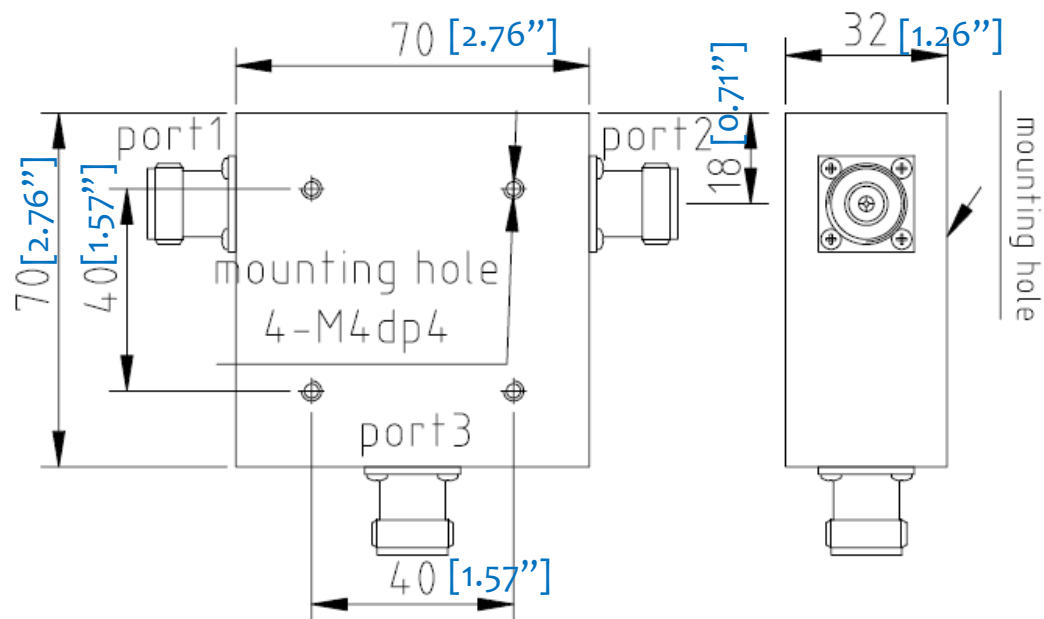
RF-LAMBDA

The power beyond expectations

RFLCHXD85M



| Mkr | Trace | X-Axis | Value |
|-----|-------|-------------|-----------|
| 1 | S11 | 82.5000 MHz | -29.22 dB |
| 2 | S12 | 82.5000 MHz | -22.33 dB |
| 3 | S22 | 82.5000 MHz | -25.82 dB |
| 4 | S33 | 82.5000 MHz | -27.49 dB |
| 5 | S21 | 82.5000 MHz | -0.77 dB |



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