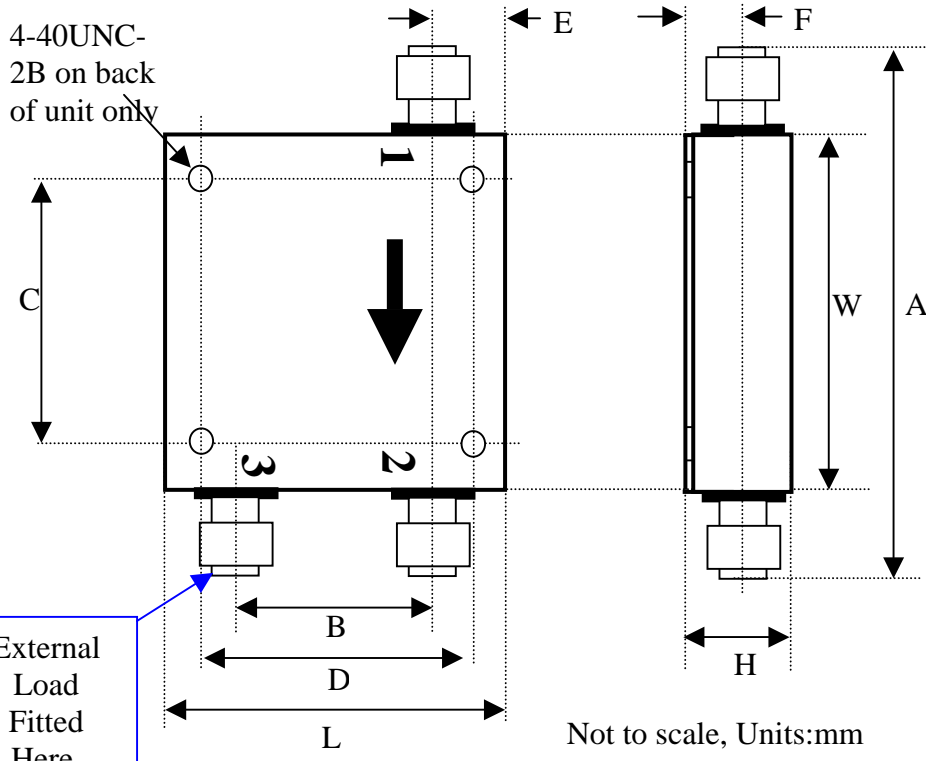


RADITEK INC.

Isolator or Circulator 88-138MHz with N-type or SMA Connectors 1W / 2W / 50W / 100W / 200W / 500W / 1000W

part # format **RADI/C-x-yM-NX-zW**



| SMA/N Connector options (X) | | | | |
|-----------------------------|--------|-----|------------------|--------------------|
| Port 1 | Port 2 | Iso | circ Port 3 male | circ Port 3 female |
| female | Male | -1 | -11 | -21 |
| male | female | -2 | -12 | -22 |
| female | female | -3 | -13 | -23 |
| male | Male | -4 | -14 | -24 |

| POWER | L | W | H | A | B | C | D | E | F | |
|-------------|-----|-----|------|-------|-----|-----------|-----------|-----|------|----|
| 1 / 2 / 20W | 66 | 68 | 25 | 101.8 | 45 | 51+/-0.11 | 54+/-0.11 | 10 | 12.5 | mm |
| 5W | 67 | 69 | 25 | tbc | tbc | tbc | tbc | tbc | tbc | mm |
| 50W | 65 | 67 | 24.5 | 101.8 | 45 | 51+/-0.11 | 54+/-0.11 | 10 | 12.5 | mm |
| 100W | 80 | 80 | 24.5 | 114 | 60 | 62+/-0.11 | 68+/-0.11 | 10 | 12.0 | mm |
| 200W | | | | | | | | | | |
| 500W | 196 | 197 | 69 | TBA | TBA | TBA | TBA | TBA | TBA | |
| 1000W | 196 | 197 | 69 | TBA | TBA | TBA | TBA | TBA | TBA | |

RADI-88-119M-NX-1//2//50//100W

Specifications may be subject to change

11/15/04

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RADITEK INC.



| Specifications: | Full | Full | Full | Full | Full | Full | Full | |
|------------------------|----------|-----------|-----------|-----------|----------|---------|---------|------|
| Frequency | 88-108 | 87-109 | 88-108 | 88-108 | 88-108 | 104-108 | 104-108 | MHz |
| Insertion loss | 1.0 | 0.8 | 0.8 | 1.2 | 1.0 | 0.4 | 0.4 | dB |
| Isolation | 17 | 18 | 16 | 15 | 17 | 20 | 20 | dB |
| VSWR | 1.4 | 1.4 | 1.4 | 1.6 | 1.4 | 1.22 | 1.22 | :1 |
| Forward Power | 1 | 50 | 50 | 150 | 150 | 500 | 1000 | Watt |
| Reverse Power | 1 | 20 | 20 | 75 | 75 | 500 | 1000 | Watt |
| Temperature range | 10 to 40 | -10 to 50 | -10 to 50 | -10 to 60 | 20 to 30 | 0 to 40 | 0 to 40 | °C |
| Connector | N-type | SMA | N-type | N-type | N-type | N-type | N-type | |

88-108MHz

| Specifications: | Full | Full | 2-3% | 2-3% | |
|------------------------|-----------|----------|----------|-----------|------|
| Frequency | 88-108 | 88-108 | 88-108 | 88-108 | MHz |
| Insertion loss | 1.0 | 0.9 | 0.7 | 1.0 | dB |
| Isolation | 16 | 17 | 20 | 12 | dB |
| VSWR | 1.4 | 1.35 | 1.2 | 1.4 | :1 |
| Forward Power | 50 /100 | 200 | 50 /100 | 50 /100 | Watt |
| Reverse Power | 50 /100 | 200 | 50 /100 | 50 /100 | Watt |
| Temperature range | -10 to 60 | 10 to 40 | 10 to 40 | -30 to 60 | °C |
| Connector | N-type | N-type | N-type | N-type | |

Wider than 88-108MHz

| Specifications: | Full | Full | Full | |
|------------------------|-----------|------------|-----------|------|
| Frequency | 88-119 | 117-119 | 118-138 | MHz |
| Insertion loss | 1.5 | 0.6 | 0.8 | dB |
| Isolation | 15 | 20 | 16 | dB |
| VSWR | 1.5 | 1.3 | 1.4 | :1 |
| Forward Power | 5 | 2 | 50 | Watt |
| Reverse Power | 5 | 2 | 20 | Watt |
| Temperature range | -10 to 50 | -10 to +50 | -10 to 50 | °C |
| Connector | N-type | N-type | N-type | |

RADI-88-119M-NX-1/2//50//100W

Specifications may be subject to change

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