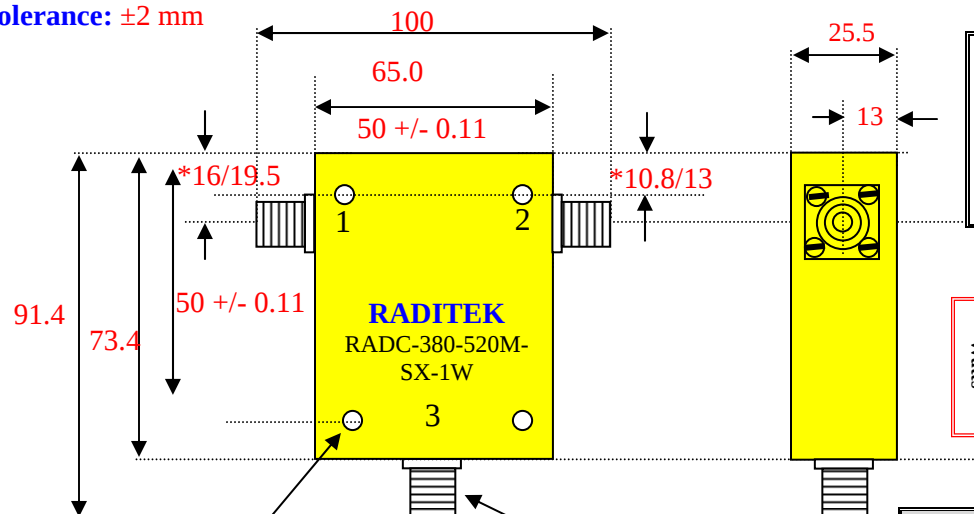


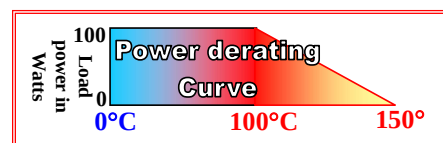
## Coaxial Isolator or Circulator, 380-520MHz N-Type or SMA Connectors, 1-50 Watts, (100W Forward)

Tolerance:  $\pm 2$  mm



### \*Connector Dimensions

380-470MHz:  
13mm and 19.5  
380-520MHz:  
-10.8mm and 16mm



4 M4-7Hx5  
Underside only

Load to replace connector on  
Isolator 1W model. Other models  
to have Connectorized Load fitted

| Direction of RF: |         |
|------------------|---------|
| R                | Default |
| L                |         |

Units: mm  
Not to scale

Order Examples: RADC-380-520M-N23-10WR  
I=ISOLATOR / C=CIRCULATOR

### N / SMA Connector options (X)

| Isolator |        |    | Circulator  |               |
|----------|--------|----|-------------|---------------|
| Port 1   | Port 2 |    | Port 3 Male | Port 3 Female |
| Female   | Male   | -1 | -11         | -21           |
| Male     | Female | -2 | -12         | -22           |
| Female   | Female | -3 | -13         | -23           |
| Male     | Male   | -4 | -14         | -24           |

| Specifications        | Isol               | Circ               | Isol               | Circ               | Isol               | Units                                    |
|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------------------------------|
| Frequency             | 380-470            | 380-520            | 380-520            | 400-460            | 400-460            | MHz (Full band)                          |
| Insertion loss        | 0.45               | 0.5                | 0.5                | 0.5                | 0.5                | dB maximum                               |
| Isolation             | 19                 | 17                 | 17                 | 17                 | 17                 | dB minimum                               |
| VSWR                  | 1.25               | 1.35               | 1.35               | 1.35               | 1.35               | dB minimum                               |
| Rated Forward power   | 100                | 100                | 100                | 100                | 100                | Watts                                    |
| Peak Power            |                    |                    | 500                | 500                | 500                |                                          |
| Reflected power       | 10                 | 1/10/50            | 1/10/50            | 2                  | 2                  |                                          |
| Input connector       | SMA                | N/SMA              | N/SMA              | SMA                | SMA                |                                          |
| Output connector      | SMA                | N/SMA              | N/SMA              | SMA                | SMA                |                                          |
| Operating temperature | -30 to 70          | -30 to 70          | -30 to 70          | -30 to 70          | -30 to 70          | °C Temp of Circulator Body must be <85°C |
| Storage temperature   | -40 to 110         | -40 to 110         | -40 to 110         | -40 to 110         | -40 to 110         | °C                                       |
| Humidity              | 98% non-condensing | 98% non-condensing | 98% non-condensing | 98% non-condensing | 98% non-condensing | %RH (35°C)                               |