

## VMFBP-C11.15G/11.25G-SMAF/SMAF

### FEATURES

- ♦ BandPass 11.15GHz ~ 11.25GHz
- ♦ Small Package

### TYPICAL APPLICATIONS

- ♦ Test & Measurement
- ♦ TR Module

### SPECIFICATIONS

| Parameter                   | Minimum                                                      | Typical | Maximum        | Units    |
|-----------------------------|--------------------------------------------------------------|---------|----------------|----------|
| Freq.                       | 11.15                                                        | -       | 11.25          | GHz      |
| Insertion Loss              | -                                                            | -       | 2@Center Freq. | dB       |
|                             | -                                                            | -       | 3@Pass band    | dB       |
| Ripple                      | -                                                            | -       | 1.6            | dB       |
| Rejection                   | $\geq 40@11-11.1\text{GHz}$<br>$\geq 40@11.3-11.4\text{GHz}$ |         |                | dBc      |
| VSWR                        | -                                                            | -       | 1.5:1          | -        |
| Power                       | -                                                            | -       | 10             | W (CW)   |
| Operating Temperature Range | -30                                                          | -       | +60            | °C       |
| Impedance                   | -                                                            | 50      | -              | $\Omega$ |
| Port Connectors             | SMA-F                                                        |         |                |          |
| Preferred finish            | Black                                                        |         |                |          |

**Remarks:** Power rating is for load VSWR better than 1.20:1

### ENVIRONMENTAL SPECIFICATIONS

|                         |                                                      |
|-------------------------|------------------------------------------------------|
| Operational Temperature | -30° C~+60° C                                        |
| Storage Temperature     | -45° C~+85° C                                        |
| Vibration               | 25gRMS (15 degrees 2KHz) endurance, 1 hour per axis  |
| Humidity                | 100% RH at 35° c, 95%RH at 40° c                     |
| Shock                   | 20G for 11msec half sine wave,3 axis both directions |

### MCHANICAL SPECIFICATIONS

|                 |                              |
|-----------------|------------------------------|
| Housing         | Aluminum                     |
| Connector       | Stainless steel              |
| Female Contact: | gold plated beryllium bronze |
| Rohs            | compliant                    |
| Weight          | 0.4kg (Estimate)             |

## OUTLINE DRAWING

All Dimensions in mm

Outline Tolerances  $\pm 0.5(0.02)$

Mounting Holes Tolerances  $\pm 0.2(0.008)$

All Connectors: SMA-Female

