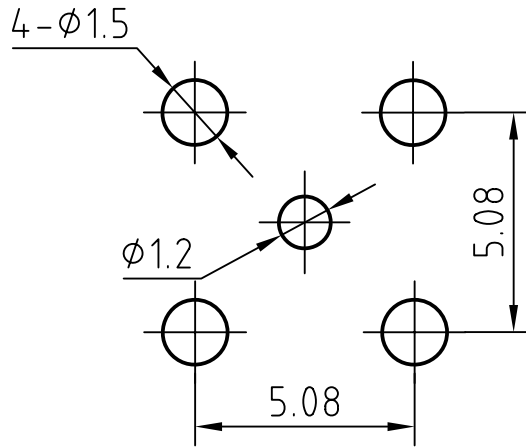



MOUNTING HOLE



| 3       | 1        | Body   | Brass/Gold plated |                       |
|---------|----------|--|-------------------|-----------------------|
| 2       | 1        | Insulator  | PTFE              |                       |
| 1       | 1        | Center contact                                   | Brass/Gold plated |                       |
| Itemref | Quantity | Title/Name, designation, material, dimension etc |                   | Article No./Reference |

|                         |                       |                          |                         |                  |                |
|-------------------------|-----------------------|--------------------------|-------------------------|------------------|----------------|
| Designed by<br>xio xang | Checked by<br>jing lo | Approved by<br>jing chan | File name<br>SMB-332100 | Date<br>04.08.06 | Scale<br>5 : 1 |
|-------------------------|-----------------------|--------------------------|-------------------------|------------------|----------------|

|   |                |              |
|---|----------------|--------------|
|  | SMB-332100     |              |
|   | Edition<br>1.0 | Sheet<br>1/1 |

# CHARACTERISTICS

DESCRIPTION: SMB Type male str for PCB solder legs

## Electrical data:

|                               |  |
|-------------------------------|--|
| <i>Impedance:</i>             | <i>50 ohm</i>  |
| <i>Frequency range:</i>       | <i>DC to 4.0 GHz</i>                                 |
| <i>VSWR:</i>                  | $\leq 1.10 + 0.05 \times f \text{ [GHz]}$            |
| <i>Insertion loss:</i>        | $\leq 0.15 \times \sqrt{f \text{ [GHz]}} \text{ dB}$ |
| <i>Insulation resistance:</i> | $\geq 1000M\Omega$                                   |
| <i>Test voltage:</i>          | <i>750 V rms</i>                                     |
| <i>Working voltage:</i>       | <i>500 V rms</i>                                     |
| <i>Contact resistance:</i>    |  |
| 1). <i>Centre contact:</i>    | <i>6mΩ</i>   |
| 2). <i>Outer conductor:</i>   | <i>1.5 mΩ</i>  |

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## Environmental data:

|                            |                            |
|----------------------------|----------------------------|
| <i>Temperature rating:</i> | <i>-55 ° C to +165 ° C</i> |
| <i>2002/95/EC (RoHS):</i>  | <i>Compliant</i>           |

## Mechanical data:

|                                    |                             |
|------------------------------------|-----------------------------|
| <i>Mating cycles:</i>              | $\geq 500$                  |
| <i>Center contact captivation:</i> | $\geq 10 \text{ N(axial)}$  |
|                                    | $\geq$                      |
| <i>Engagement force:</i>           | $\leq 63 \text{ Nm}$        |
| <i>Disengagement force:</i>        | <i>8 N min to 63 N max.</i> |

## Suitable cables:

N/A