BIAS TEE

R&K-BT030-0S

OUTLINE DRAWING

TOP VIEW

26
21

BOTTOM VIEW

26
21

2-03 Mounting Hole

2-M2 5mm Deep

SPECIFICATIONS

- Broadband Frequency: 800～6000MHz
- Low Insertion Loss: 0.35dB (typ) @3000MHz
- High Isolation: 35dB (typ) @3000MHz
- Low Cost
- RoHS Compliance

Frequency Range: 800-6000MHz
Insertion Loss: 1.5dB (max.)
Isolation RF Port ~ DC Port (DC-6000MHz): 20dB (min.)
Isolation RF&DC Port ~ DC Port (800-6000MHz): 15dB (min.)
Impedance: 50Ω
VSWR: 1.3:1 (typ.)
Input Current: 1000mA
Maximum Voltage: 30V
Maximum RF Input Power: 1W
Operating Temperature: -25°C to +85°C
Storage Temperature: -25°C to +85°C
Connectors
- RF / RF&DC (No Option): SMA-Female
- DC (Standard): SMA-Female
- DC (Option): EMI-Filter
Weight (SMA Connector): 30g (typ.)

HOW TO ORDER (Connector Option)

Model Name R&K-BT030-0S

S = SMA - FEMALE
F = EMI - FILTER

TYPICAL PERFORMANCE (Temp @+25°C)

Insertion Loss

FREQUENCY (Hz) 0 1 2 3 4 5 6 7
0 1 2 3 4
Insertion Loss (dB)

Isolation

RF Port ~ DC Port
RF Port ~ DC Port

FREQUENCY (Hz) 0 1 2 3 4 5 6 7
0 10 20 30 40 50 60
Isolation (dB)

VSWR

FREQUENCY (Hz) 0 1 2 3 4 5 6 7
1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8
VSWR

RF

RF&DC

DC

SCHEMATIC

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R&K cannot export products to any country for use in military or defense applications.

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