

DB6065 50Ω 3W 60V DC~69GHz
1.85mm High Performance 50Ohm Stainless Steel DC~Block



Ver A/0 Release Date March, 2018

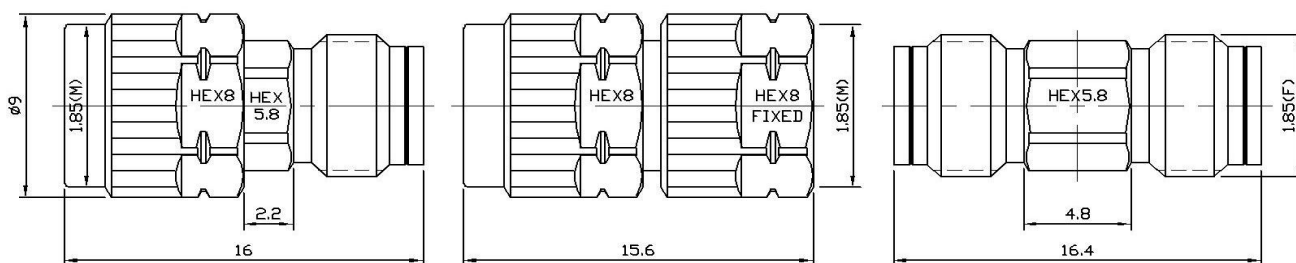
P/N:DB6065

Features

- DC~69GHz Frequency Range
- Max Power 3W
- VSWR < 1.78 < 1.50 < 1.33 < 1.22
C-Class B-Class A-Class S-Class

Applications

- Miniature Size
- 1.85mm Interfaces
- Ground Loop Elimination
- Signal to Noise Ratio(SNR)
- Improvement
- Test and Measurement



Mechanical & Environmental Specifications

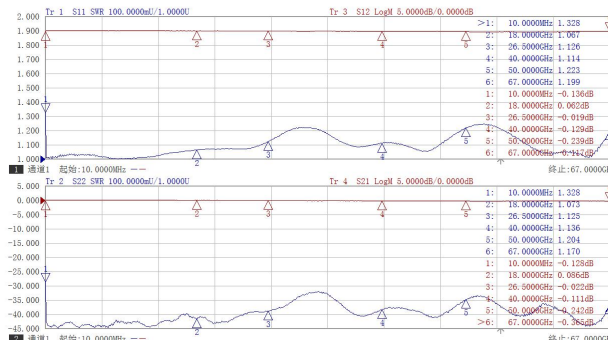
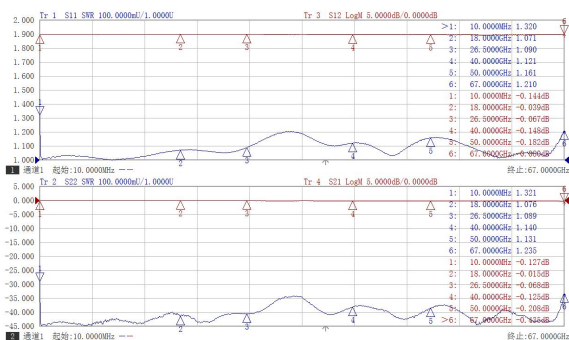
Outer Conductor Coupling Nut	Passivated Stainless Steel	Temp. Range	Storage	-55℃~125℃
Body	Passivated Stainless Steel	Working Temp.		-55℃~100℃
Inner Conductor Male	Beryllium Copper Gold plated($\geq 1.27\mu m$)	Altitude	Storage	< 15300 Meters
Female	Beryllium Copper Gold plated($\geq 1.27\mu m$)	Working Temp.		< 4800 Meters
Weight	3.5 g			

Electrical Specifications

Model	Frequency Range(GHz)	Insert Loss dB	Max average power (W)	DC max voltage (V)	VSWR(:1) Return Loss(dB)
DB6065-C	DC~67GHz	$\leq 0.10 \times \sqrt{f}(\text{GHz})$	1	60	< 1.78(-11.0)
DB6065-B	DC~67GHz	$\leq 0.07 \times \sqrt{f}(\text{GHz})$	1.5	60	< 1.50(-14.0)
DB6065-A	DC~67GHz	$\leq 0.06 \times \sqrt{f}(\text{GHz})$	2	60	< 1.33(-17.0)
DB6065-S	DC~67GHz	$\leq 0.04 \times \sqrt{f}(\text{GHz})$	3	60	< 1.22(-20.1)

C,B,A,S are average power of performance level.Temperature coefficient: $\pm 0.0002\text{dB}/^\circ\text{C}$;Power sensitivity: $\pm 0.001\text{dB}/\text{W}$,Up to 69.5ghz
 Maximum average power: the ambient temperature corresponding to the left or right end is 25 °C. When the ambient temperature rises to 100 °C, the power decreases linearly to 1 / 10

Remark:a.dimension mm, tol. $\pm 1\%$. b.100% test. c.Customized according to customer requirements



Shenzhen RFComs Technology Co.,LTD

Tell: +86 13480725660

Website: www.rfcoms.com

Email: luke@rfcoms.com

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