DB6040   50Ω   5W   60V   DC~42GHz
2.92mm High Performance 50Ohm Stainless Steel DC~Block

Ver   A/0   Release Date March, 2018   P/N:DB6040
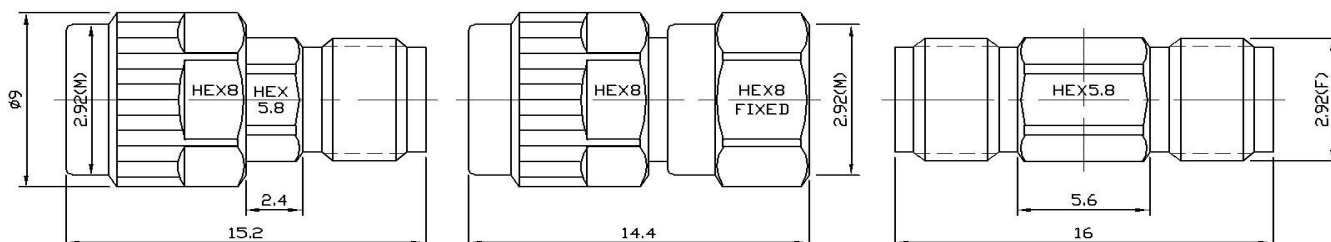
Features

- DC~42GHz Frequency Range
- Max Power 5W
- VSWR   < 1.52   < 1.35   < 1.23   < 1.16
             C-Class   B-Class   A-Class   S-Class

- Miniature Size
- 2.92mm Interfaces

Applications

- Ground Loop Elimination
- Signal to Noise Ratio(SNR)
- Improvement
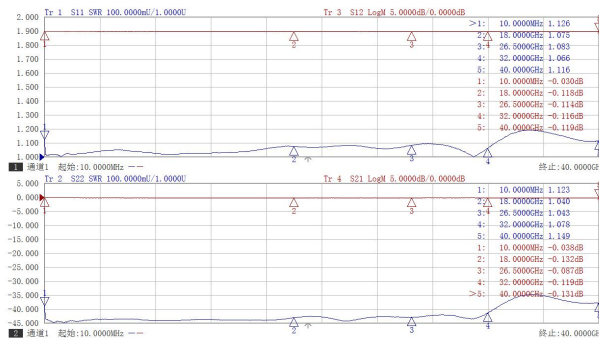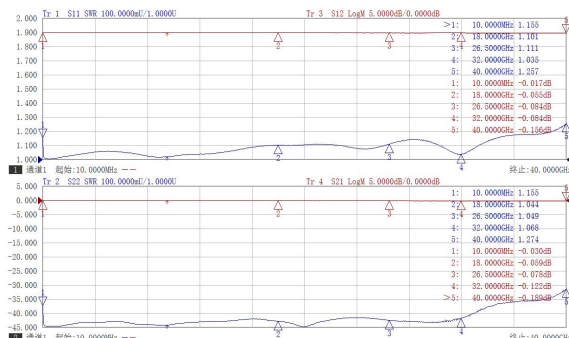- Test and Measurement

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(≥1.27μm)	Altitude	Storage	< 15300 Meters
	Female	Beryllium Copper Gold plated(≥1.27μm)		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)
DB6040-C	DC~40GHz	≤0.10×√f(GHz)(Passivated) ≤0.08×√f(GHz)(Cu Coated)	2	60	< 1.52(-13.7)
DB6040-B	DC~40GHz	≤0.08×√f(GHz)(Passivated) ≤0.07×√f(GHz)(Cu Coated)	3	60	< 1.35(-16.6)
DB6040-A	DC~40GHz	≤0.06×√f(GHz)(Passivated) ≤0.05×√f(GHz)(Cu Coated)	4	60	< 1.23(-19.7)
DB6040-S	DC~40GHz	≤0.05×√f(GHz)(Passivated) ≤0.04×√f(GHz)(Cu Coated)	5	60	< 1.16(-22.6)

C,B,A,S are average power of performance level.Temperature coefficient:± 0.0002dB/℃;Power sensitivity: ± 0.001dB/W,Up to 42.5ghz
Maximum average power: the ambient temperature corresponding to the left or right end is 25 ℃. When the ambient temperature rises to 100 ℃, the power decreases linearly to 1 / 10

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