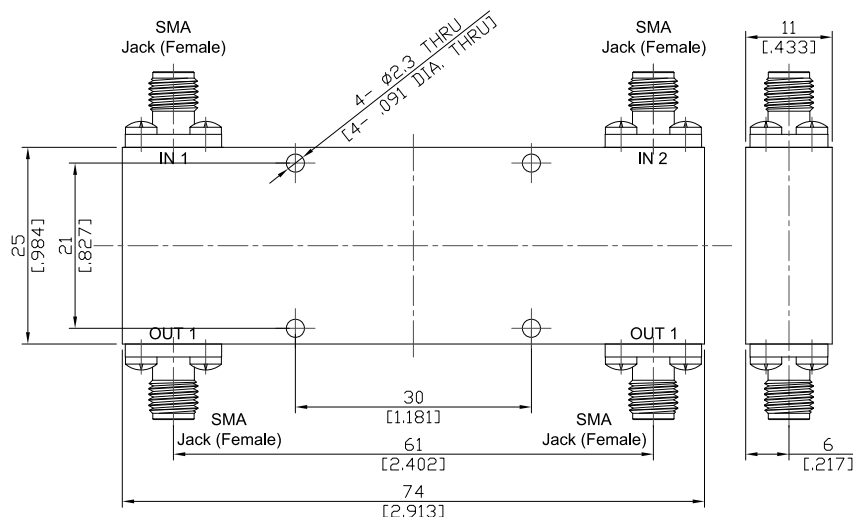


90-Degree SMA Hybrid Coupler, 1 - 18 GHz, Rated for 50 W

DBC-A2A2A2A25A-90-1-18G50W3



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110

Electrical Data

Parameter	Minimum	Typical	Maximum
Impedance		50 Ω	
Frequency	1 GHz		18 GHz
Phase Difference		90 Degrees	
Coupling		3 dB	
VSWR (Return Loss)		1.5 (13.98 dB)	1.6 (12.74 dB)
Insertion Loss		1.2 dB	1.5 dB
Amplitude Balance			±1.0 dB
Phase Balance		±2 Degrees	±5 Degrees
Isolation	15 dB	18 dB	
Input Power (CW)			50 W

Configuration

RF Connector Type

SMA Jack (Female)

Mechanical Data

Coupling Mechanisms

Screw-On

Mating Cycles

≥ 500

Coupling Test Torque

max. 1.7 Nm

Recommended Torque

0.57 Nm

Environmental Data

Operating Temp

-45°C to +85°C

RoHS

Compliant

Packing

Single or 100