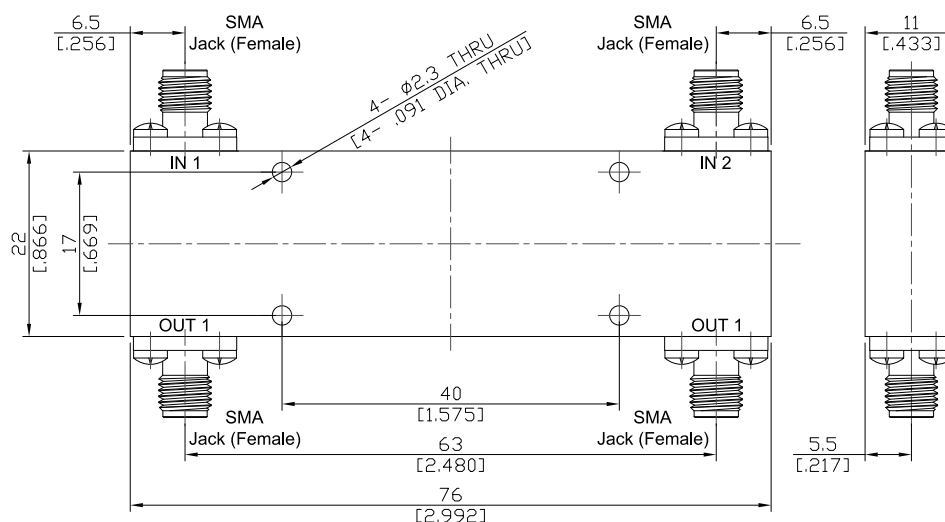


90-Degree SMA Hybrid Coupler, 1 - 4 GHz, Rated for 50 W

DBC-A2A2A2A25A-90-1-4G50W3



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		4 GHz
Phase Difference		90 Degrees	
Coupling		3 dB	
VSWR (Return Loss)		1.15 (23.13 dB)	1.25 (19.08 dB)
Insertion Loss		0.3 dB	0.5 dB
Amplitude Balance			±0.6 dB
Phase Balance			±5 Degrees
Isolation	22 dB	25 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