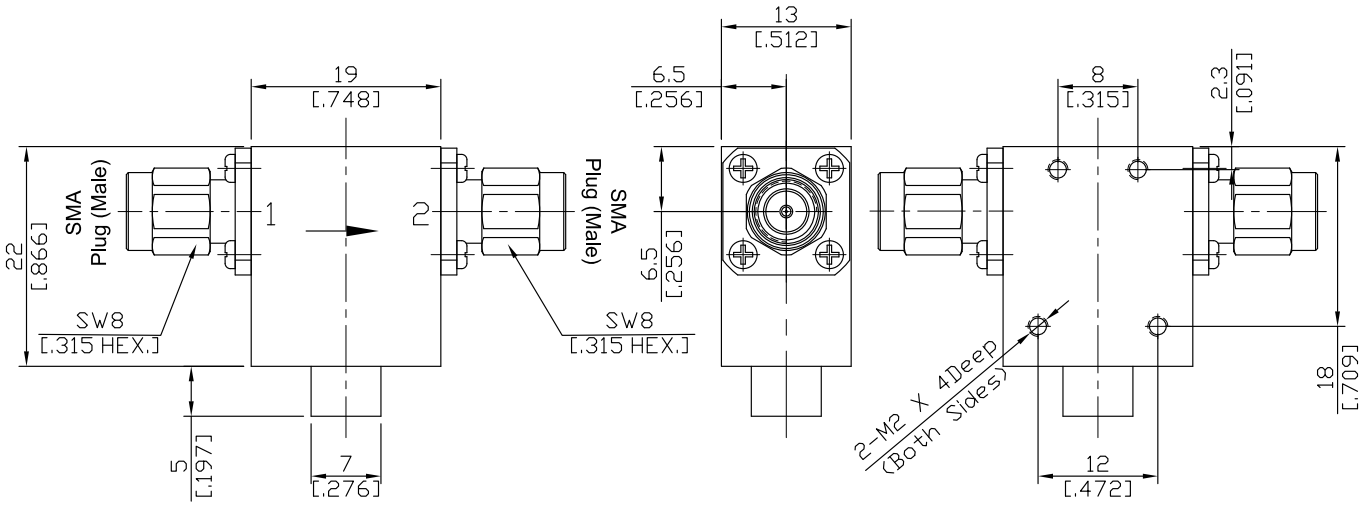
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

Isolator With 11 dB Isolation From 6–18 GHz, 20 Watts And SMA Plug (Male)

IS-A1A15A-6-18G20W11



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to IEC 60169-15; CECC22110; MIL-PRF-39012; MIL-STD-348B/310; EN122110

Electrical Data

Parameter	Minimum	Typical	Maximum
Impedance		50 Ω	
Frequency	6 GHz		18 GHz
VSWR (Return Loss)			1.8 (10.88 dB)
Insertion Loss			1.7 dB
Isolation	11 dB		
Forward Power (CW)			20 W
Reverse Power (CW)			2 W

Configuration	
Direction	Clockwise
Connector 1	SMA Plug (Male)
Connector 2	SMA Plug (Male)

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	-30°C to +70°C
RoHS	Compliant

Packing

Single or 100

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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