

# ADCB-DFDM-DB



Dual Band dc Block, 650–2700 MHz, with interface types DIN Female and DIN Male

## Product Classification

Product Type	dc Block
Ordering Note	ANDREW® standard product in Mexico, Central America, and South America   ANDREW® standard product in the United States and Canada

## General Specifications

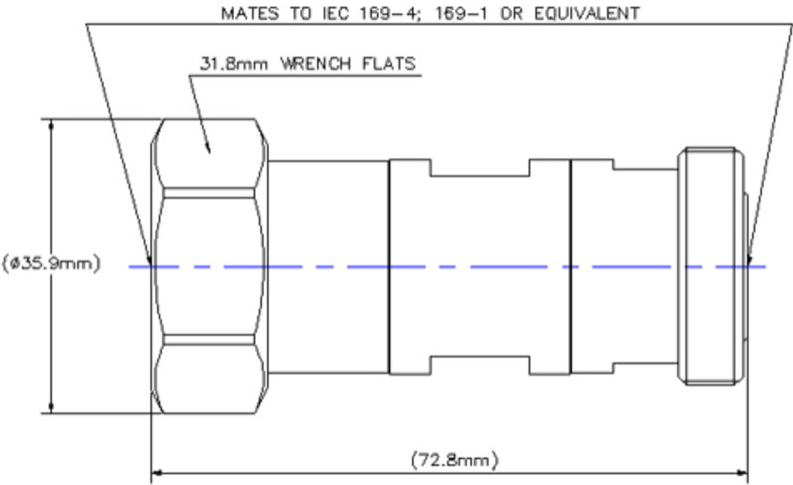
Inner Contact Plating	Silver
Interface	7-16 DIN Female
Interface 2	7-16 DIN Male
Outer Contact Plating	Trimetal
Pressurizable	No

## Dimensions

Height	36.07 mm   1.42 in
Width	36.07 mm   1.42 in
Length	72.9 mm   2.87 in

## Outline Drawing

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## Electrical Specifications

3rd Order IMD	-116 dBm
3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss, typical	0.1 dB
Average Power at Frequency	250.0 W @ 1,940 MHz   500.0 W @ 883 MHz
Connector Impedance	50 ohm
dc Test Voltage	48 V
Injector Port to Antenna Isolation, minimum	-70 dB
Operating Frequency Band	650 – 2700 MHz
Peak Power, maximum	13 kW

## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
650–2700 MHz	1.13	24.29

## Mechanical Specifications

Attachment Durability	25 cycles
Coupling Nut Proof Torque	24.86 N-m   220.03 in lb
Coupling Nut Retention Force	1,000.85 N   225 lbf
Coupling Nut Retention Force Method	MIL-C-39012C-3.25, 4.6.22
Interface Durability	500 cycles

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Interface Durability Method	IEC 61169-16:9.5
Mechanical Shock Test Method	MIL-STD-202F, Method 213B, Test Condition C

## Environmental Specifications

Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Attenuation, Ambient Temperature	20 °C   68 °F
Average Power, Ambient Temperature	40 °C   104 °F
Corrosion Test Method	MIL-STD-1344A, Method 1001.1, Test Condition A
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Moisture Resistance Test Method	MIL-STD-202F, Method 106F
Thermal Shock Test Method	MIL-STD-202F, Method 107G
Vibration Test Method	MIL-STD-202F, Method 204D, Test Condition B
Water Jetting Test Mating	Mated
Water Jetting Test Method	IEC 60529:2001, IP66

## Packaging and Weights

Weight, net	0.209 kg   0.46 lb
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## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

