

## DC Blocks

The ADB series of DC Blocks contain a capacitor in series with the conductors to prevent the flow of DC and audio frequencies whilst permitting RF signals to flow with minimum interference up to 40GHz. Available in a choice of Inner, Outer and Inner-Outer types.

- DC-40 GHz
- 50 ohms Impedance
- Passivated Stainless Steel Connectors
- Gold Plated Beryllium Copper Conductors



Operating frequency range up to 40GHz



50 Ohms



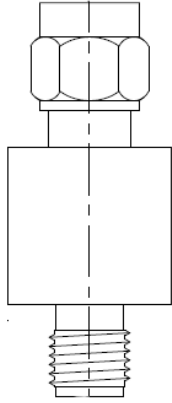
Choice of Inner, Outer and Inner-Outer types



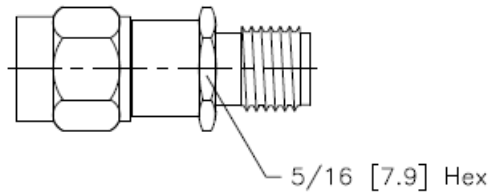
Model Number	Former Model Number	Frequency Range	Connector Type	Block Type	Insertion Loss (dB) max.	VSWR (:1) max.	Voltage Rating (V) max.	Operating Temp. (C)	Size (see Page 2)
DCBLKX1-483016-S4S5	ADB-18SMF-I	10MHz - 18GHz	SMA Male to SMA Female	Inner Only	0.50	1.35	200	-65 to +125	1
DCBLKX2-483045-S4S5	ADB-18SMF-O			Outer Only	0.50	1.35	200	-65 to +125	2
DCBLKX3-483048-S4S5	ADB-18SMF-IO			Inner-Outer	0.50	1.35	200	-65 to +125	2
TBC	ADB-M-18SMF-I			Inner Only	0.50	1.35	200	-65 to +125	3
DCBLKX1-483053-S4S5	ADB-MH-18SMF-I			Inner Only	0.50	1.35	200	-65 to +125	10
DCBLKX1-483016-N4N5	ADB-18NMF-I	10MHz - 18GHz	N-Type Male to N-Type Female	Inner Only	0.60	1.35	200	-65 to +125	4
DCBLKX2-483045-N4N5	ADB-18NMF-O			Outer Only	0.60	1.35	200	-65 to +125	5
DCBLKX3-483048-N4N5	ADB-18NMF-IO			Inner-Outer	0.60	1.35	200	-65 to +125	5
DCBLKX1-483008-K4K5	ADB-26KMF-I	7KHz - 26.5GHz	2.9mm Male to 2.9mm Female	Inner Only	0.50 (250KHz-18GHz) 0.75 (18-26.5GHz)	1.35 (250KHz-18GHz) 1.50 (18-26.5GHz)	75	-35 to +85	3
DCBLKX2-483046-S4S5	ADB-26KMF-O	10MHz - 26.5GHz	2.9mm Male to 2.9mm Female	Outer Only	0.50	1.35	200	-65 to +125	6
TBC	ADB-26KMF-IO			Inner-Outer	0.75	1.35	200	-65 to +125	6
DCBLKX1-483038-K4K5	ADB-40KMF-I	10MHz - 40GHz	2.9mm Male to 2.9mm Female	Inner Only	0.75	1.45	200	-65 to +125	7
DCBLKX3-483047-K4K5	ADB-40KMF-O			Outer Only	0.50	1.45	200	-65 to +125	8
DCBLKX3-483099-K4K5	ADB-40KMF-IO			Inner-Outer	0.75	1.45	200	-65 to +125	9
TBC	ADB-M-40KMF-I	16KHz - 40GHz	2.9mm Male/Female	Inner Only	0.50 (100KHz-12.4GHz) 0.75 (12.4-32GHz) 1.25 (32-40GHz)	1.30 (250KHz-18GHz) 1.55 (18-32GHz) 1.65 (32-40GHz)	75	-35 to +85C	7



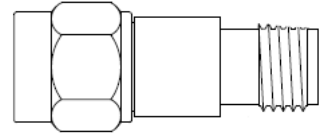
DCBLKX2-483045-S4S5



DCBLKX1-483053-S4S5



DCBLKX1-483008-K4K5



Size	Dimensions inches (mm)	
	Dia (Ø)	Length (L)
1	.36 (9.1)	1.20 +/- .03 (30.5 +/- 0.8)
2	.50 (12.7)	1.20 +/- .03 (30.5 +/- 0.8)
3	.28 (7.11)	.855 +/- .02 (21.7 +/- 0.51)
4	.63 (16.0)	1.76 +/- .03 (44.7 +/- 0.8)
5	.50 (12.7)	1.91 +/- .03 (48.5 +/- 0.8)
6	.50 (12.7)	.86 +/- .02 (21.84 +/- 0.51)
7	.28 (7.11)	.86 +/- .05 (21.84 +/- 1.27)
8	.50 (12.7)	.86 +/- .03 (21.84 +/- 0.76)
9	.50 (12.7)	.86 +/- .05 (21.84 +/- 1.27)
10	.31 (7.9)	.855 +/- 0.20 (21.72 +/- 0.51)

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

