



Mini-Circuits Exclusive Representative in Israel



ADAPTERS & TERMINATIONS PRODUCT GUIDE



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For the latest information on Mini-Circuits' Adapters & Terminations, new products, product datasheets, product videos, professional articles and more please visit our website: www.mcdi-ltd.com/adapters | www.mcdi-ltd.com/rf-terminations or speak with our Engineers directly by calling **077-5406075**

Adapters | 50 Ω | DC to 6 GHz

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Model Number	Conn. 1	Conn. 2	F Low (GHz)	F High (GHz)	VSWR(:1) Typ.	Impedance (Ω)
NF-BM50+	N-Female	BNC-Male	DC	2	1.15	50
SF-BF50+	SMA-Female	BNC-Female	DC	2	1.2	50
SF-BM50+	SMA-Female	BNC-Male	DC	2	1.2	50
SM-BF50+	SMA-Male	BNC-Female	DC	2	1.2	50
SM-BM50+	SMA-Male	BNC-Male	DC	2	1.2	50
NF-NF50+	N-Female	N-Female	DC	6	1.2	50
NF-NMR50+	N-Female	N-Male Right Angle	DC	6	1.02	50
NM-NM50+	N-Male	N-Male	DC	6	1.03	50



Adapters | 50 Ω | DC to 12 GHz

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Model Number	Conn. 1	Conn. 2	F Low (GHz)	F High (GHz)	VSWR(:1) Typ.	Impedance (Ω)
SF-SFRP50+	SMA-Female	SMA-FRP	DC	12	1.2	50
SF-SMRP50+	SMA-Female	SMA-MRP	DC	12	1.2	50
SMRP-SM50+	SMA-MRP	SMA-Male	DC	12	1.22	50



Adapters | 50 Ω | DC to 18 GHz | 1/2

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Model Number	Conn. 1	Conn. 2	F Low (GHz)	F High (GHz)	VSWR(:1) Typ.	Impedance (Ω)
NF-NMR50-18+	N-Female	N-Male Right Angle	DC	18	1.06	50
NF-SF50+	N-Female	SMA-Female	DC	18	1.2	50
NF-SM50+	N-Female	SMA-Male	DC	18	1.2	50
NFFL-SF50+	N-Female	SMA-Female	DC	18	1.2	50
NFFL-SM50+	N-Female	SMA-Male	DC	18	1.08	50
NM-NM50-18+	N-Male	N-Male	DC	18	1.04	50
NM-SF50+	N-Male	SMA-Female	DC	18	1.25	50
NM-SM50+	N-Male	SMA-Male	DC	18	1.2	50
SF-MQK50+	SMA-Female	SMA-Male Quick Connect	DC	18	1.25	50



Part #: NF-NMR50-18+



Part #: NF-SF50+



Part #: NF-SM50+



Part #: NFFL-SF50+



Part #: NFFL-SM50+



Part #: NM-NM50-18+



Part #: NM-SF50+



Part #: NM-SM50+



Part #: SF-MQK50+

Adapters | 50 Ω | DC to 18 GHz | 2/2

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Model Number	Conn. 1	Conn. 2	F Low (GHz)	F High (GHz)	VSWR(:1) Typ.	Impedance (Ω)
SF-SF50+	SMA-Female	SMA-Female	DC	18	1.25	50
SF-SM50+	SMA-Female	SMA-Male	DC	18	1.28	50
SFFL-SF50+	SMA-Female	SMA-Female	DC	18	1.13	50
SFR-KF50+	SMA-Female	2.92mm-Female	DC	18	1.11	50
SFR-NM50+	SMA-Female	N-Male	DC	18	1.13	50
SFR-SM50+	SMA-Female	SMA-Male	DC	18	1.09	50
SM-SM50+	SMA-Male	SMA-Male	DC	18	1.3	50
SMPF-SF50+	SMP-F	SMA-F	DC	18	1.07	50
SMPF-SM50+	SMP-F	SMA-M	DC	18	1.07	50



Adapters | 50 Ω | DC to 34 GHz

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Model Number	Conn. 1	Conn. 2	F Low (GHz)	F High (GHz)	VSWR(:1) Typ.	Impedance (Ω)
SF-35M50+	SMA-Female	3.5mm-Male	DC	26.5	1.1	50
35FFL-35F50+	3.5mm-Female	3.5mm-Female	DC	33	1.07	50
35F-35F50+	3.5mm-Female	3.5mm-Female	DC	34	1.07	50
35F-35M50+	3.5mm-Female	3.5mm-Male	DC	34	1.07	50
35M-35M50+	3.5mm-Male	3.5mm-Male	DC	34	1.02	50



Adapters | 50 Ω | DC to 40 GHz | 1/2

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Model Number	Conn. 1	Conn. 2	F Low (GHz)	F High (GHz)	VSWR(:1) Typ.	Impedance (Ω)
185F-KF+	1.85mm-F	2.92mm-F	DC	40	1.05	50
185F-KM+	1.85mm-F	2.92mm-M	DC	40	1.04	50
185M-KF+	1.85mm-M	2.92mm-F	DC	40	1.04	50
185M-KM+	1.85mm-M	2.92mm-M	DC	40	1.03	50
KF-24F+	2.92mm-F	2.4mm-F	DC	40	1.1	50
KF-24M+	2.92mm-F	2.4mm-M	DC	40	1.1	50
KF-KF50+	2.92mm-F	2.92mm-F	DC	40	1.03	50
KF-KM50+	2.92mm-F	2.92mm-M	DC	40	1.04	50
KFFL-KF50+	2.92mm-F	2.92mm-F	DC	40	1.05	50



Adapters | 50 Ω | DC to 40 GHz | 2/2

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Model Number	Conn. 1	Conn. 2	F Low (GHz)	F High (GHz)	VSWR(:1) Typ.	Impedance (Ω)
KFPM-KF50+	2.92mm-F	2.92mm-F	DC	40	1.08	50
KM-24F+	2.92mm-M	2.4mm-F	DC	40	1.1	50
KM-24M+	2.92mm-M	2.4mm-M	DC	40	1.1	50
KM-KM50+	2.92mm-M	2.92mm-M	DC	40	1.02	50



Adapters | 50 Ω | DC to 50 GHz

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Model Number	Conn. 1	Conn. 2	F Low (GHz)	F High (GHz)	VSWR(:1) Typ.	Impedance (Ω)
24F-24F+	2.4mm-F	2.4mm-F	DC	50	1.03	50
24F-24M+	2.4mm-F	2.4mm-M	DC	50	1.06	50
24M-24M+	2.4mm-M	2.4mm-M	DC	50	1.04	50



Terminations | Coaxial | DC to 65 GHz | 1/3

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Model Number	Imp (Ω)	Con Type	Con Desc	Freq. (GHz) Low	Freq. (GHz) High	Return Loss (dB), Typ. @ 1 GHz	Return Loss (dB), Typ. @ 2 GHz	Return Loss (dB), Typ. @ 4 GHz	Return Loss (dB), Typ. @ 6 GHz	Return Loss (dB), Typ. @ 8 GHz	Return Loss (dB), Typ. @ 12 GHz	Power Rating (W), Max.
BTRM-75+	75	BNC	Male-75 Ohm	DC	1	33	-	-	-	-	-	0.5
BTRM-50+	50	BNC	Male	DC	2	30	21	-	-	-	-	0.5
LOUIS-50	50	DIN 1.0/2.3	Male	DC	2	42	36	-	-	-	-	0.125
ANNE-50RP+	50	SMA	Male Reverse Polarity	DC	6	35	35	35	35	-	-	1
ROSE-50+	50	SMB	Female	DC	6	50	49	45	45	-	-	0.5
TTRM-50+	50	TNC	Male	DC	6	24	24	22	21	-	-	2
KARN-50+	50	N-Type	Male	DC	8	46	44	40	37	35	-	2
KARN-50CN+	50	N-Type	Male w/chain	DC	8	46	44	40	37	35	-	2
ANNE-50L+	50	SMA	Male	DC	12	48	46	39	34	31	27	1



Terminations | Coaxial | DC to 65 GHz | 2/3

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Model Number	Imp (Ω)	Con Type	Con Desc	Freq. (GHz) Low	Freq. (GHz) High	Return Loss (dB), Typ. @ 1 GHz	Return Loss (dB), Typ. @ 2 GHz	Return Loss (dB), Typ. @ 4 GHz	Return Loss (dB), Typ. @ 6 GHz	Return Loss (dB), Typ. @ 8 GHz	Return Loss (dB), Typ. @ 12 GHz	Return Loss (dB), Typ. @ 18 GHz	Power Rating (W), Max.
ANNE-50+	50	SMA	Male	DC	18	50	46	41	40	38	45	30	1
ANNE-50CN+	50	SMA	Male w/Chain	DC	18	50	46	41	40	38	45	30	1
ANNEF-50+	50	SMA	Female	DC	18	46	45	40	40	41	32	23	1
KARN-50-18+	50	N-Type	Male	DC	18	46	44	41	41	41	41	28	2
SMPF-TERM50+	50	SMP	Female	DC	18	47	46	45	35	30	24	22	1
TERM-25W-183N+	50	N-Type	Male	DC	18	33	36	25	31	30	36	22	25
TERM-25W-183S+	50	SMA	Male	DC	18	33	32	32	25	28	24	29	25
TERM-50W-183N+	50	N-Type	Male	DC	18	31	38	29	29	21	44	24	50
TERM-50W-183S+	50	SMA	Male	DC	18	34	31	41	32	21	30	26	50



Terminations | Coaxial | DC to 65 GHz | 3/3

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Model Number	Imp (Ω)	Con Type	Con Desc	Freq. (GHz) Low	Freq. (GHz) High	Return Loss (dB), Typ. @ 1 GHz	Return Loss (dB), Typ. @ 2 GHz	Return Loss (dB), Typ. @ 4 GHz	Return Loss (dB), Typ. @ 6 GHz	Return Loss (dB), Typ. @ 8 GHz	Return Loss (dB), Typ. @ 12 GHz	Return Loss (dB), Typ. @ 18 GHz	Return Loss (dB), Typ. @ 20 GHz	Return Loss (dB), Typ. @ 40 GHz	Return Loss (dB), Typ. @ 50 GHz	Return Loss (dB), Typ. @ 65 GHz	Power Rating (W), Max.
ANNE-50X+	50	SMA	Male	DC	20	48	46	39	37	35	35	25	25	-	-	-	1
ANNEQ-50X+	50	SMA	Male Quick-Turn	DC	20	48	46	43	39	33	26	26	31	-	-	-	1
ANNE-50K+	50	2.92mm	Male	DC	40	40	38	35	32	30	30	30	27	20	-	-	1
ANNEF-50K+	50	2.92mm	Female	DC	40	38	36	32	32	30	29	26	26	32	-	-	1
ANNE-50V+	50	2.4mm	Male	DC	50	43	42	37	35	35	38	29	27	26	19	-	1
ANNEF-50V+	50	2.4mm	Female	DC	50	45	44	42	43	45	38	31	30	20	24	-	1
ANNE-50E+	50	1.85mm	Male	DC	65	41	38	36	32	32	33	31	28	32	22	29	1
ANNEF-50E+	50	1.85mm	Female	DC	65	54.5	38.0	30.6	28.5	29.5	29.8	26.4	24.2	29.8	25.8	16.1	1



Terminations | Coaxial | Up to 500W

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Model Number	Impedance (Ω)	Con Type	Con Desc	Freq. (GHz) Low	Freq. (GHz) High	Return Loss (dB), Typ. @ 0.7 GHz	Return Loss (dB), Typ. @ 1 GHz	Return Loss (dB), Typ. @ 2 GHz	Return Loss (dB), Typ. @ 4 GHz	Return Loss (dB), Typ. @ 6 GHz	Return Loss (dB), Typ. @ 10 GHz	Power Rating (W), Max.
TERM-500W-14N+	50	N-Type	Female	0.7	10	17	20	23	25	25	23	500



Part #: TERM-500W-14N+



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