

Adaptenuator

50Ω 0.5W 20dB DC to 3000 MHz

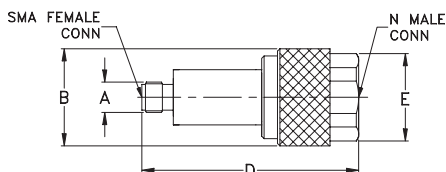
Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

Permanent damage may occur if any of these limits are exceeded.

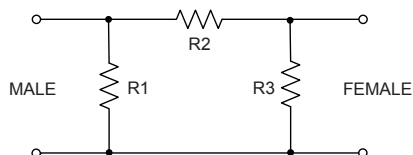
Outline Drawing



Outline Dimensions (inch/mm)

A	B	D	E	wt.
.25	.80	1.79	.72	grams
6.35	20.32	45.47	18.29	49.0

Electrical Schematic



Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
 C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

Features

- Wideband, DC to 3000 MHz
- Improved interface matching
- Excellent VSWR, 1.1:1 typ
- Rugged unibody construction

Applications

- Instrumentation
- Provides attenuation and connector type change
- Minimizes hardware

NM-SF-20+



CASE STYLE: DJ1208

Connectors		Model
Conn1	Conn2	
N-Male	SMA-Female	NM-SF-20+

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Electrical Specifications

FREQ. (MHz)	ATTENUATION (dB)										VSWR (:1)						MAX. INPUT POWER (W)
	Flatness *																
	DC-0.5 GHz			DC-1 GHz		DC-2 GHz		DC-3 GHz			DC-1 GHz		DC-2 GHz		DC-3 GHz		
f _l - f _u	Nom.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.
DC-3000	20±0.3	0.05	0.15	0.1	0.3	0.4	0.6	0.6	1.0	1.01	1.20	1.04	1.20	1.09	1.25	0.5	

* Flatness defined as peak to peak attenuation over band divided by 2.

Typical Performance Data

FREQUENCY (MHz)	ATTENUATION (dB)	VSWR (:1)	
		SMA-FEMALE	N-MALE
1	19.97	1.00	1.00
10	19.98	1.00	1.00
100	20.02	1.00	1.00
300	20.03	1.00	1.00
500	20.06	1.01	1.00
750	20.15	1.01	1.00
1000	20.24	1.02	1.01
1200	20.34	1.03	1.01
1400	20.42	1.03	1.02
1600	20.53	1.04	1.03
1800	20.60	1.05	1.03
2000	20.72	1.06	1.04
2200	20.80	1.07	1.05
2500	20.93	1.08	1.06
2700	21.01	1.09	1.07
3000	21.14	1.10	1.09

