# Termination DIN

## LOUIS-50

 $50\Omega$ 

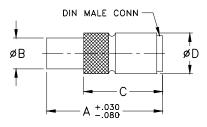
DC to 2000 MHz

#### **Maximum Ratings**

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C

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

**Outline Drawing** 



#### Outline Dimensions (inch )

Α	В	C	D	wt
0.94	0.25	0.64	0.33	grams
23.88	6.35	16.26	8.38	6.50

#### **Features**

- wideband coverage, DC to 2000 MHz
- return loss, 33 dB typ. up to 1000 MHz and 27 dB typ. up to 2000 MHz

#### CASE STYLE: LL987

Connectors	Model	Price	Qty.
DIN Male w/retaining sleeve	LOUIS-50	\$11.95 ea.	(1-9)

#### **Applications**

- cellular communications
- · satellite communications
- test set-up

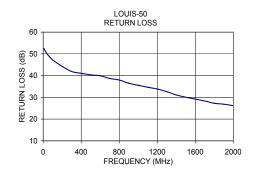
### Electrical Specifications (T<sub>AMB</sub>=25°C)

FREQUENCY (MHz)	IMPEDANCE (OHMS)	RETURN LOSS (dB) MIN.	POWER RATING* (W)
		DC-0.5 DC-1 DC-2 GHz GHz GHz	
DC-2000	50	28 28 21	0.125

<sup>\*</sup>Up to 70°C, derate linearly to 80% at 85°C

#### **Typical Performance Data**

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Frequency (MHz)	Return Loss (dB)	
1.00	52.55	
20.00	51.45	
40.00	50.07	
70.00	48.50	
100.00	47.17	
300.00	41.88	
500.00	40.34	
700.00	38.69	
1000.00	35.56	
1200.00	33.84	
1300.00	32.63	
1500.00	30.08	
1700.00	28.32	
1900.00	26.84	
2000.00	26.18	



For detailed performance specs

