

# Termination N-Type

50Ω

DC to 18000 MHz

## KARN-50-18+



### 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.

### Features

- wideband coverage, DC to 18000 MHz
- 2 watt rating
- rugged construction
- brass body with trimetal finish

### Applications

- cellular communications
- satellite communications
- defense communications
- test set-up

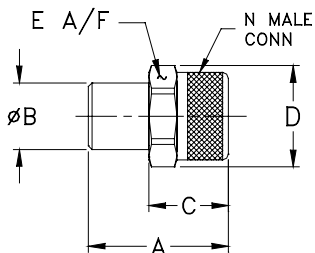
CASE STYLE: LL718

Connectors	Model	Price	Qty.
N-Type-Male	KARN-50-18+	\$13.95 ea.	(1-9)

**+ RoHS compliant in accordance with EU Directive (2002/95/EC)**

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

### Outline Drawing



### Outline Dimensions (inch/mm)

A	B	C	D	E	wt
1.18	0.56	0.67	0.85	0.787	grams
29.97	14.22	17.02	21.59	19.99	30.0

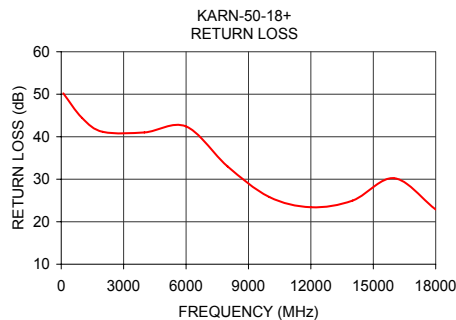
### Electrical Specifications

FREQUENCY (MHz)	IMPEDANCE (OHMS)	RETURN LOSS (dB) MIN.							POWER RATING* (W)
		DC-0.5 GHz	DC-1 GHz	DC-2 GHz	DC-4 GHz	DC-8 GHz	DC-12 GHz	DC-18 GHz	
DC-18000	50	35	35	30	30	26	20	18	2

\*At 70°C, derate linearly at 0.025W/°C

### Typical Performance Data

Frequency (MHz)	Return Loss (dB)
100	50.21
1000	44.44
2000	41.16
4000	41.02
6000	42.43
8000	32.99
10000	25.82
12000	23.41
14000	24.96
16000	30.24
18000	22.88



**Mini-Circuits®**  
ISO 9001 ISO 14001 AS 9100 CERTIFIED

For detailed performance specs & shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine [www.minicircuits.com](http://www.minicircuits.com) Provides ACTUAL Data Instantly at [minicircuits.com](http://minicircuits.com)

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet 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](http://www.minicircuits.com/MCLStore/terms.jsp).

REV. A  
M98898  
KARN-50-18+  
ED-11480B  
RS/TD/CP  
070305