

# 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

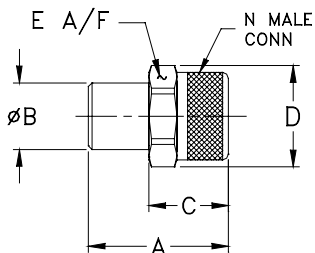
CASE STYLE: LL718

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

**+RoHS Compliant**

The +Suffix identifies 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

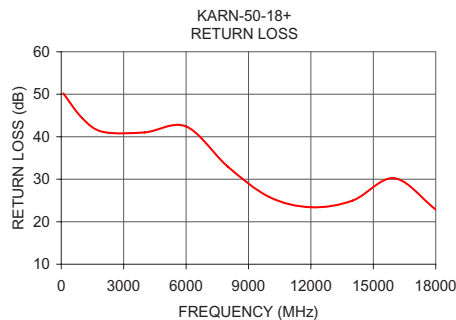
### Electrical Specifications

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



### 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](http://www.minicircuits.com/MCLStore/terms.jsp)

