



**Electrical Characteristics**

Nominal Impedance: 50 ohms  
 Frequency Range: DC to 11 GHz  
 Operating Voltage (rms): 1500 V maximum at sea level  
 Dielectric Withstand Voltage (rms): 2500 V maximum at sea level  
 Contact Resistance: 1.0 milliohms maximum  
 Insulation Resistance: 5000 megohms minimum

**Mechanical Characteristics**

Mating Cycles: 500 cycles minimum  
 Interface Dimensions: Conform to MIL-C-39012

**Environmental Characteristics**

Temperature Range: -65 °C to +165 °C

PART	DESCRIPTION
1	Body Brass, nickel plated
2	Insulator PTFE
3	Contact Brass, gold plated

DESCRIPTION OF REVISION	APPVD	ISS	DATE
Dimensional Change	JT	3	05 Mar 10
Up Issue	SN	2	24 Jan 03
First Issue	SN	1	03 Oct 01

**EMERSON**  
Network Power

**Connectivity Solutions**  
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SCALE: Not To Scale	DRAWN BY: S Nash
DIMENSIONS: mm	CHECKED BY: P Couzens
TOLERANCES: ± 0.2mm unless otherwise stated	APPROVED BY: P Couzens
	DATE: 24 Jan 03

TITLE:	N Plug to N Plug	
PART NUMBER:	VNA516	
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