



Electrical Characteristics

Nominal Impedance: 50 ohms
 Frequency Range: DC to 11 GHz
 Operating Voltage (rms): 500 V maximum at sea level
 Dielectric Withstand Voltage (rms): 1000 V maximum at sea level
 Contact Resistance: 2.0 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	Dielectric	PTFE
3	Contact	Brass, gold plated

Dimensional Update	JT	4	24 May 10
Change drawing to new connector	LB	3	25 Oct 09
CAD Issue	SN	2	03 Oct 02
First Issue	DJH	1	16 Jul 98
DESCRIPTION OF REVISION	APPVD	ISS	DATE



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SCALE: Not To Scale

DIMENSIONS: mm

TOLERANCES:
 ± 0.2mm unless
 otherwise stated

DRAWN BY:

S Nash

CHECKED BY:

P Couzens

APPROVED BY:

P Couzens

DATE:

03 Oct 02

TITLE:

SMA Plug to N Plug

PART NUMBER:

VA501

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