

AS16 – technical data

Electrical data	Requirements
Impedance	50 Ω
Frequency range	DC to 2 GHz
Contact resistance	center conductor 6.0 milliohms max. outer conductor 2.0 milliohms max.
DWV	375 Vrms at sea level
Insulation resistance	5000 megaohms min.
Corona levels	90 Vrms at 70 000 ft
RF high potential	190 Vrms at 5 MHz
RF leakage	80 dB max. at 2 GHz
Magnetic permeability	< 2 μ
VSWR	1.2:1 to 2 GHz
Insertion loss	0.09 + 0.08 \sqrt{f} in GHz

Mechanical data	Requirements
Durability	500 cycles min.
Force to engage	AS16 pin: 14 oz (3.892 N) max. AS16 socket: 36 oz (10.008 N) max.
Force to disengage	AS16 pin: 0.4 oz (0.111 N) min. AS16 socket: 1.5 oz (0.417 N) min.

Environmental data	Requirements
Temperature range	-55 to +125 °C
Thermal shock	MIL-STD-202, method 107, condition B
Moisture resistance	MIL-STD-202, method 106
Corrosion	MIL-STD-202, method 101, condition B
Sine vibration	MIL-STD-202, method 204, condition D
Random vibration	MIL-STD-202, method 214, condition K-I, 46.3 g
Shock	MIL-STD-202, method 213, condition I