

Model 94111 Series Current Probe

MODEL 94111 SERIES PHYSICAL SPECIFICATIONS

Window Diameter:	3.18 cm 1.25 in
Outside Diameter:	8.89 cm 3.5 in
Width:	3.56 cm 1.4 in
Output Connector:	Type N
Weight:	0.42 kg 15 oz
Impedance:	50 Ω

MODEL 94111 SERIES ELECTRICAL SPECIFICATIONS

	94111-1 / 94111-1L	94111-2
Frequency Range (L Models 20 Hz):	1 MHz–1000 MHz	1 MHz–1000 MHz
Transfer Impedance (Nominal):	• 0.9Ω(-1dB Ω) $\pm$3dB @ 1 MHz • 2.5Ω(8dB Ω) $\pm$3dB @ 10 MHz • 5Ω(14dB Ω) $\pm$3dB @ 100 MHz • 5.6Ω(15dB Ω) $\pm$3dB @ 500 MHz	
RF Current Range (RF CW):	20.0 amps	1.7 amps
RF Current Range (Pulse):	50 amps	200 amps

	94111-1 / 94111-1L	94111-2
Maximum Power Current (DC-400 Hz):	200 amps	200 amps
Maximum Power Voltage:	No limitation; subject to adequate conductor insulation	
Sensitivity Under Rated Load:	0.2 microampere with 1 microvolt sensitivity receiver and 5 ohms transfer impedance	1 microampere with 1 microvolt sensitivity receiver and 1 ohm transfer impedance

MODEL 94111 SERIES PULSE POWER LIMITS

	94111-1 / 94111-1L	94111-2
RF Current Range (Pulse):	50 amps for duty cycle less than 0.4	Pulse signals with peak currents to 200 amps can be measured if the pulse duty cycle does not exceed: • (10 amps Ip) 0.06 Duty • (50 amps Ip) 0.0024 Duty • (100 amps Ip) 0.0006 Duty • (200 amps Ip) 0.00015 Duty
Maximum Power Current (L Models Only):	(DC to 1500 Hz) 300 amps When both signal and power currents are high, their sum should not exceed the given limits	NA