DC BIAS PASSING ATTENUATORS

500 MHz - 2 GHz — 100 Volts

MCE INMET

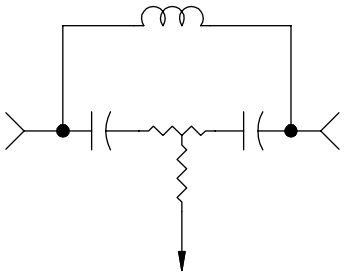
MODELS: 9093–N–XX, 9093–SMA–XX, 9093–TNC–XX

SPECIFICATIONS:

Electrical: (@ 25°C Ambient)

Frequency Range	500 MHz - 2 GHz
Standard dB Values*	4, 6, 10,15, 20 & 25dB
Attenuation Accuracy	±2.0 dB**
Impedance	50 Ohms
DC Resistance*** (CC IN TO CC OUT)	0.25 Ohms Max.
VSWR	1.35:1 Max.
Voltage Rating	100 Volts Max.
DC Current	2 Amps. Max.
RF Power (Avg)	2 Watts Max.
Operating Temp. Range	-55°C to +125°C

*** CENTER CONDUCTOR TO CASE DC ISOLATED > 10 MEGAOHMS



SCHEMATIC DIAGRAM

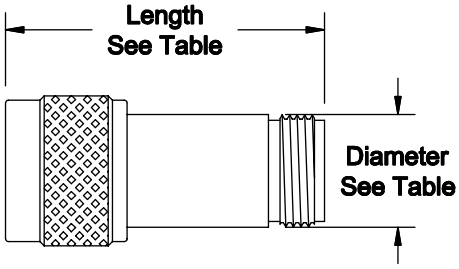
Mechanical:

Connectors (Mates With MIL–STD–348)	Passivated Stainless Steel
Conductors	Gold Plated Beryllium Copper

**dB Values ≤ 15dB are Typically Within ±1.0dB

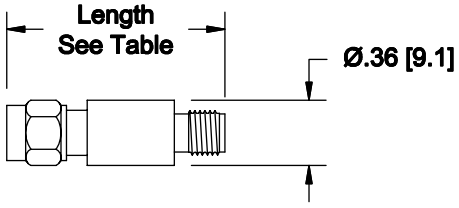
Model Number: 9093-N-XX
Type N Connectors

dB Value	Length	Diameter
4, 6, 10, 15, & 20	1.76 ±.05 [44.7 ±1.3]	Ø.62 [15.8]
25dB	2.28 ±.05 [57.9 ±1.3]	Ø.56 [14.2]



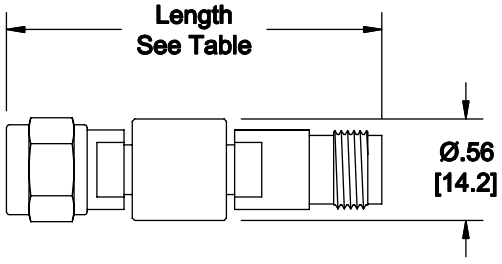
Model Number: 9093-SMA-XX
SMA Connectors

dB Value	Length	
	Inches	Millimeters
4, 6, 10, 15, & 20	1.21 ±.05	[30.7 ±1.3]
25dB	1.57 ±.05	[39.9 ±1.3]



Model Number: 9093-TNC-XX
TNC Connectors

dB Value	Length	
	Inches	Millimeters
4, 6, 10, 15, & 20	2.07 ±.05	[52.6 ±1.3]
25dB	2.45 ±.05	[62.2 ±1.3]



HOW TO ORDER:

Model Number: 9093-YYY-XX

- YYY: Connector Type — N = Type N; SMA = SMA; TNC = TNC
- XX: dB Value

Ordering Examples:

Model Number: 9093-N-10
10 dB; Type N; Male/Fem

Model Number: 9093-TNC-20
20 dB; TNC; Male/Fem

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
*Other dB values available for special order.

9093; REV F

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