

LP-GPX-05 N Series L1, L2 & L3 GPS Lightning & Surge Protection

LP-GTX-05-N high performance series is an exceptional DC pass design for protection of GPS receivers requiring up to 5Vdc power to be supplied on the center pin.

While the RF path is DC blocked, the biased DC voltage protection circuit uses Solid State Protection Technology to provide unsurpassed surge performance. The LP-GPX-05-N series offers outstanding insertion loss and return Loss characteristics over the 1000-2000 MHz band, making it suitable for protection of commercial and military GPS, as well as other applications in this band.

Specifications

Part Number LP-GTX-05-NFF
Connector N Female on both sides.

Part Number LP-GTX-05-NFM
Connector N Male to N Female

Frequency 1000 to 2000 MHz
Impedance 50 Ohms
VSWR/Return Loss <1.2:1 / <-20dB
Insertion Loss < 0.1dB
Max Surge Current 10kA multiple
(1.2x50/8x20us wave-form)

Average Power 50 Watts
Turn-on 6 Vdc
Residual Pulse Volt < 12V (6kV/3kA 1.2x50/8x20us wave-form)
Protection Circuit DC blocked RF Path/Solid State DC Path
Energy Throughput < 110uJ
Temp Range -40 to +85 Degrees C
Torque 7-10 lb-in Recommended coupling nut
Body/Washer/Nut Brass, White Bronze Plated

