



N Female to N Female Bi-Directional BH Surge Arrester DC 3 GHz
Model No. SRFS-SNFFBH-03/06

Electrical & Mechanical Specifications

Characteristics Impedance	50 ohm
Frequency Range	DC-3GHz / DC-6GHz
Voltage	90V / 220V / 250V / 350V
Protection	Gas Discharge Tube / 1/4 wavelength
Insertion Loss	$\leq 0.1\text{dB}@3\text{GHz} / \leq 0.2\text{dB}@6\text{GHz}$
Return Loss	$< -26 \text{ dB}$
Max Surge Voltage Let Through	200 mV
Through Put Energy	$< 5 \text{ nJ}$
Max Power	50 W
Max Current Load	10A
Nominal Discharge Current (kAMP)	5
Max Discharge Current (kAMP)	20
Impulse Current (kAMP)	2.5
VSWR	$\leq 1.1 @\text{DC-3GHz} / \leq 1.15 @\text{DC-6GHz}$
Contact Resistance	Center Contact $\leq 0.2 \text{ m}\Omega$ Outer Contact $\leq 0.4 \text{ m}\Omega$
Durability	Mating cycles ≥ 500

Material & Plating

	Material	Plating
Body	Brass	Ni
Insulator	PTFE	-
Center conductor	Phosphor bronze	Au
Coupling nut	Brass	Ni
Washer	Brass	Ni

Environmental Data

Temperature Range	$-45^{\circ}\text{C} \sim +85^{\circ}\text{C}$
RoHSCompliant	Yes