

SG Series 15-300 MHz, 50-1500 MHz DC Blocked Gas Tube

50 Ohm general purpose, dc blocked surge arrester for single channel radios; not recommended for use with combiners.



SG-15 Series 15-300 MHz

Part Number	Turn On	Watts	Freq Range
SG-15(Ant)(Eqpt)	350V	550	15-300MHz
SG-15 (Ant)(Eqpt)+90	90V	100	15-300MHz
SG-15 (Ant)(Eqpt)+600	600V	700	15-300MHz

SG-50 Series 50-1500 MHz

Part Number	Turn On	Watts	Freq Range
SG-50 (Ant)(Eqpt)	350V	550	50-220MHz
		300	220-1500MHz
SG-50 (Ant)(Eqpt)+90	90V	100	50-220MHz
		75	220-1500MHz
SG-50 (Ant)(Eqpt)+600	600V	750	50-220MHz
		500	220-1500MHz

NOTES

These devices are directional and must be ordered antenna side connector first followed by the equipment side.

Gas tubes with other turn-on values are available by special order, please call for details.

EXAMPLE

SG-50NFNM has the N/female connector on the antenna side and the N/male connector on the equipment side.

Standard Connectors



N/f
Prefix: N/f



N/f blkhd
Prefix: NI



N/m
Prefix: NM

Special Order Connectors

Type	Female	Female Bulkhead	Male	RP Plug	RP Jack	RP Jack Bulkhead
BNC	BF	BI	BM	BL	BU	NW
Type N				NL	NU	SW
SMA	SF	SI	SM	SL	SU	TW
TNC	TF	TI	TM	TL	TU	

BNC/f Prefix: BF	BNC/f blkhd Prefix: BI	BNC/m Prefix: BM	RPBNC/plug Prefix: BL
RPBNC/jack Prefix: BU	RPN/plug Prefix: NL	RPN/jack Prefix: NU	RPN/jack blkhd Prefix: NW
SMA/f Prefix: SF	SMA/f blkhd Prefix: SI	SMA/m Prefix: SM	RPSMA/plug Prefix: SL
RPSMA/jack Prefix: SU	RPSMA/jack blkhd Prefix: SW	TNC/f Prefix: TF	TNC/f blkhd Prefix: TI
TNC/m Prefix: TM	RPTNC/plug Prefix: TL	RPTNC/jack Prefix: TU	RPTNC/jack blkhd Prefix: TW
UHF/f Prefix: UF			

Type:

Connectors:

VSWR: <=1.2:1 over range

Insert Loss: <0.10dB

Throughput: <=600µJ

Surge: 20kA (8/20 µs), min. 5

Turn On Volt: 90/350/600 Vdc(+/-15%)

Turn On Time: 2.5 µs for 2kV/ns

Temp: -40°C to +85°C

Humidity: up to 95%

Vibration: 1G @ 5-100 Hz

Weather:

DC Blocked Gas Tube

Type N female

<=1.2:1 over range

<0.10dB

<=600µJ

20kA (8/20 µs), min. 5

90/350/600 Vdc(+/-15%)

2.5 µs for 2kV/ns

-40°C to +85°C

up to 95%

1G @ 5-100 Hz

Sealed case; connector sealant included.

The above specifications are based upon standard "N" connectors. Special order connectors could present slightly different spec's at certain frequencies that may effect overall electrical performance.

Allcom Products LLC 695 Sundown Road South Elgin, IL 60184
Tel: 847.468.8830 Fax: 847.468.8837 www.allcompc.com sales@allcompc.com