

In-Line Surge Protector, DC ~ 8 GHz

General Specification Made in Japan

Description	Data
Frequency Range	DC ~ 6 GHz (RTM-LSP560), 7 GHz (RTM-LSP559), 8 GHz (RTM-LSP787) (Test Data is available from web site. www.rftec.com)
V.S.W.R.	Nominal: 1:1.1(1.15MAX at DC ~ 5.5GHz, MAX 1.5 at 6GHz)
Insertion Loss	Nominal: 0.1dB (0.3 dB MAX at DC ~ 6 GHz)
Impedance	50 ohm

Power Ratings.

	Suffix: DC ~ 30 MHz / 30 ~ 500 MHz / 500 MHz ~ MAX
Power Ratings(at P.E.P./SSB) (at V.S.W.R.=1:1.2)	- 90 : 80W / 60W / 20W
	- 230 : 280W / 110W / 40W
	- 350 : 650W / 260W / 100W
	- 600 : 2KW / 800W / 320W
Power Ratings(at FM/CW) (at V.S.W.R.=1:1.2)	- 90 : 40W / 30W / 10W
	- 230 : 140W / 55W / 20W
	- 350 : 325W / 130W / 50W
	- 600 : 1KW / 400W / 160W
Element	Fast Action Gas Tube Arrester
Body	Precision Screw Machined Brass With Nickel Plating and Others
Connectors	Comply to: MIL-C-71A, 39012 STANDARD
Protector	Comply to: IEC/IEEE STANDARD

Specification of Element(Gas Tube Arrester)

Description	Data	(Comply with IEEE Standards.)
DC Break-Down Voltage	Suffix:- 90V(+/-20%), 230V, 350V, 600V(all +/-15%)	
Impulse-Breakdown Voltage at 5KV/micro sec.	90V & 230V = 1KV ,350V = 1.1KV, 600V = 2.5KV	
Max. Impulse Current	5KA at 8 / 20 micro sec. (T1 / T2)	
Life Times at 10/1000 us(T1/T2) 500	90V=400 times, 230V, 350V, 600V=600 times	
Max. AC Discharge Frequencies	5A/50Hz per 1 sec and Rest 1 Minute: > 5 times	
Insulation Resistance	10,000 M ohm	
Electrostatic Capacity	MAX 1 PF	

* Device must be well grounded. The ground Wire should be shorten as possible.
 ** Device is depending V.S.W.R. of Antenna. Good V.S.W.R. is required.

// Passed 80 times 10KA/500KV Test. //



NJ - N Bulkhead J
#RTM-LSP559-
Voltage (choice)



NP - N Bulkhead J
#RTM-LSP787-
Voltage (choice)



SMA J - N Bulkhead
#RTM-LSP560-
Voltage (choice)

- * For Radios
- * For Wireless Local Loop (WLL)
- * For Wireless Local Area Networks(WLAN)
- * For Weather Station
- * For Emergency Services

Left = Original Gas Tube
 Right = Life is over.
 (Color changed in Black.)



// Please inquire about other available types. //
OEM, Volume inquiry, Custom Products Welcom.

RF TEC Mfg., Inc.

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