

WIRELESS PRODUCTS

Lightning Protectors



LIGHTING PROTECTOR

■ Quarter wave shorting stub series

- Outstanding RF performance
- Provide multiple strike capability
- Fully weatherproof
- Maintenance Free Operation
- Available with Type N or 7/16DIN interfaces

PosGuard™, New series of RF Coaxial Surge protector



New quarter wave Surge Protectors with a built-in High-pass Filter provide excellent lightning protection and outstanding RF performance. The integrated design of Posguard is offering a further reduced residual voltage by 70% compared to the standard type of quarter wave arrestor.

General Specifications

Type	Standard Products	Sureguard™
RF Performance:		
Nom. Impedance	50ohm	
Frequency range	0.8GHz to 2.5GHz	0.8GHz to 2.5GHz
Insertion Loss	0.1dB	0.2dB
VSWR,max	1.2	1.2
Surge Protection:		
Current handling capability @8/20μs pulse	N Connector : 50KA 716Connector: 100KA	N Connector : 50KA 716Connector: 100KA
Residual pulse energy @4kv 1.2/50μs pulse	10V	6V

Part number

Surge Arrestor Type	Interface Type	Part Number
Quarter-wave Surge arrestor	Bulkhead N female & N male	AT-NMNF B
	Bulkhead N female & N female	AT-NFNFB
	Bulkhead 7-16 female & 7-16male	AT-DMDF B
	Bulkhead 7-16 female & 7-16female	AT-DFDF B
Posguard™ Quarter-wave Surge arrestor	Bulkhead N female & N male	APT-NMNF B
	Bulkhead N female & N female	APT-NFNFB
	Bulkhead 7-16 female & 7-16male	APT-DMDF B
	Bulkhead 7-16 female & 7-16female	APT-DFDF B

† Custom configurations with special connector interface, silver or ternary plating, panel mounting are readily available on request.

‡ All specifications, pictures and availabilities of products are typical and are subject to change without notice.

LIGHTNING PROTECTOR

The lightning protection of base stations is very important for critical sensitive equipments. SYSKIM offers a complete series of lightning protectors using coaxial technology for N type and 7/16DIN connector systems, including $\lambda/4$ shorting stub and gas-tube surge arrestors. These products deliver high levels of lightning protection and optimize system RF performance.



AG-DFDF Series



AG-NFNF Series

■ Gas-tube surge arrestors

- Broadband performance from 0~2500MHz
- Low VSWR up to 2500MHz
- Field replaceable gas discharge tube
- DC pass capability

General Specifications RF Performance

Type	N type	7-16DIN
Nom. Impedance	50ohm	
Frequency range	DC to 2.5GHz	DC to 2.5GHz
Insertion Loss	0.1dB	0.2dB
VSWR / Return Loss	1.2 / 25 dB	1.2 / 25 dB
Temperature range	-45°C to 85°C	-45°C to 85°C

Surge Protection

Voltage Code*	09	15	23	35	47	60	80
DC Sparkover Voltage	90V	145V	230V	350V	470V	600V	800V
Current handling capability @8/20 μ s pulse	10KA	10KA	10KA	10KA	10KA	10KA	10KA
Residual pulse energy @4kv 1.2/50 μ s pulse	0.6mJ	0.5mJ	0.6mJ	1.1mJ	3.5Jm	6.9mJ	14mJ

Part number

Surge Arrestor Type	Interface Type	Part Number	Remarks
Gas-tube Type	Bulkhead N female & N male	AG-NMNFB-(*)	* Voltage Code; Insert voltage code from surge performance table above ex) AG-NMNFB-09 ; with gas tube 90V
Gas-tube Type	Bulkhead N female & N female	AG-NFNFB-(*)	
Gas-tube Type	Bulkhead 7-16 female & 7-16male	AG-DMDFB-(*)	
Gas-tube Type	Bulkhead 7-16 female & 7-16female	AG-DFDFB-(*)	

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