

# Р8АХ

## Технические характеристики

### По вопросам продаж и поддержки обращайтесь:

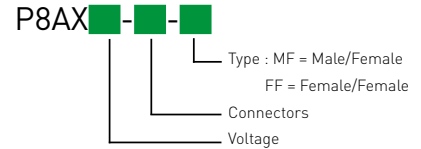
Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
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Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	



P8AX09-N/MF

# P8AX SERIES

- Low insertion losses
- Waterproof
- Removable GDT
- DC-pass
- Bi-directional protection



## Characteristics

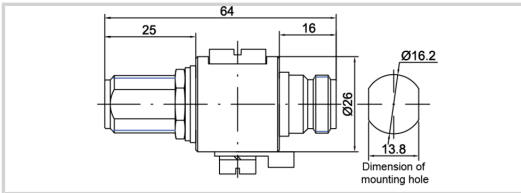
CITEL Model	P8AX09*	P8AX15*	P8AX25*	P8AX50*
Description	RF coaxial protector - 3.5 GHz			
Technology	Gas discharge tube	Gas discharge tube	Gas discharge tube	Gas discharge tube
Frequency range	f DC-3.5GHz	DC-3.5GHz	DC-3.5GHz	DC-3.5GHz
Max Power	P 25 W	70 W	190 W	780 W
Impedance	Z 50/75 ohms	50/75 ohms	50/75 ohms	50/75 ohms
Insertion loss	< 0.2dB	< 0.2dB	< 0.2dB	< 0.2dB
Return loss	> 20 dB	> 20 dB	> 20 dB	> 20 dB
VSWR	<1.2:1	<1.2:1	<1.2:1	<1.2:1
Max. Load current	IL 10A	10A	10A	10A
Nominal discharge current - 8/20µs Test x 10 - C2 Category	In 5 kA	5 kA	5 kA	5 kA
Max. discharge current - max. withstand @ 8/20 µs by pole	Imax 20 kA	20 kA	20 kA	20 kA
Impulse current - 2 x 10/350µs Test - D1 Category	Iimp 2.5 kA	2.5 kA	2.5 kA	2.5 kA
Protection level @ 1kV/µs - C3 Category	Up < 650 V	< 700 V	< 800 V	<1200 V
Typical let through energy [50 ohms] input 4kV 1.2/50µs - 2kA 8/20µs	300 µJ	320 µJ	350 µJ	1100 µJ
End of life behavior	Short-circuit (fault mode 2 - Transmission interruption)			
<b>Mechanical characteristics</b>				
Dimensions	see diagram			
Connection to Network	N . TNC. SMA. F. BNC. 7/16, 4,3-10			
Disconnection indicator	transmission interrupt			
Mounting	Feedthrough			
Operating temperature	-40/+85°C			
Protection rating	IP66			
Housing material	Brass/Surface plating: Cu Zn Sn			
Contacts	Bronze/Surface plating: Au or Ag			
Insulation material	PTFE			
RohS compliance	yes			
Spare unit	BBHF-90V	BBHF-150V	BBHF-250V	BBHF-500V
<b>Standards</b>				
Compliance	IEC 61643-21 / EN 61643-21 / UL497C / UL497E			
<b>* Part number</b>				
BNC connector Female/Female	P8AX09-B/FF 60111	P8AX15-B/FF 60112	P8AX25-B/FF 60114	P8AX50-B/FF 60117
BNC connector Male/Female	P8AX09-B/MF 60101	P8AX15-B/MF 60102	P8AX25-B/MF 60104	P8AX50-B/MF 60107
N connector Female/Female	P8AX09-N/FF 60011	P8AX15-N/FF 60012	P8AX25-N/FF 60014	P8AX50-N/FF 60017
N connector Male/Female	P8AX09-N/MF 60001	P8AX15-N/MF 60002	P8AX25-N/MF 60004	P8AX50-N/MF 60007
F connector Female/Female	P8AX09-F/FF 60211	P8AX15-F/FF 60212	P8AX25-F/FF 60214	P8AX50-F/FF -
F connector Male/Female	P8AX09-F/MF 60201	P8AX15-F/MF -	P8AX25-F/MF 60204	P8AX50-F/MF -
SMA connector Female/Female	P8AX09-SMA/FF 60511	P8AX15-SMA/FF 60512	P8AX25-SMA/FF 60514	P8AX50-SMA/FF -
SMA connector Male/Female	P8AX09-SMA/MF 60501	P8AX15-SMA/MF 60502	P8AX25-SMA/MF 60504	P8AX50-SMA/MF -
7/16 connector Male/Female	P8AX09-716/MF 60401	P8AX15-716/MF -	P8AX25-716/MF 60404	P8AX50-716/MF 60407
7/16 connector Female/Female	P8AX09-716/FF 60411	P8AX15-716/FF -	P8AX25-716/FF 60414	P8AX50-716/FF 60417
4.3-10 connector Male/Female	P8AX09-4310/MF -	P8AX15-4310/MF -	P8AX25-4310/MF -	P8AX50-4310/MF -
4.3-10 connector Female/Female	P8AX09-4310/FF -	P8AX15-4310/FF -	P8AX25-4310/FF -	P8AX50-4310/FF -

Note : If no ordering code, please contact us for more information

P8AX60-N/FF



- RF coaxial surge protector
- 3.5 GHz
- 1100 W
- Connectors : N
- Low insertion loss
- Removable GDT
- DC-pass
- Bi-directional protection

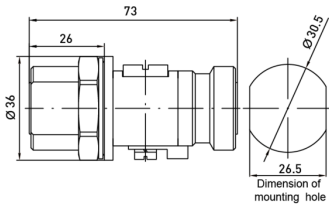


Electrical Characteristics		
Frequency range	f	DC-3.5 GHz
Insertion loss		< 0.2 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		<1.2:1
Max. load current	IL	10 A
Residual Current (Leakage current to Ground)	I <sub>pe</sub>	None
Max. discharge current (max. withstand @ 8/20 µs by pole)	I <sub>max</sub>	20 kA
Protection mode(s)		Common mode
Protection level (@1kV/µs (C3) )	U <sub>p</sub>	< 1200 V
Impulse current (2 x 10/350µs Test - D1 Category)	I <sub>imp</sub>	1 kA
Nominal discharge current (8/20µs Test x 10 - C2 Category)	I <sub>n</sub>	5 kA
Max Power		1100 W
Typical let through energy ((50 ohms) input 4kV 1.2 /50µs - 2kA 8/20µs)		1100 µJ
DC Pass		true
Insulation resistance	IR	≥10 GOhms
Mechanical Characteristics		
Technology		Gas discharge tube
Connection to Network		Connector N Female/Female
Mounting		Feedthrough
Housing material		Brass/Surface plating : Cu Zn Sn
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP66
Outdoor application		Yes
Failsafe mode		Short-circuit
Disconnection indicator		Transmission interrupt
Spare module(s)		BBHF-600V
Dimensions		See diagram
Contacts		Bronze/Surface Au-Ag
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497C / UL497E
RohS compliance		Yes
Part number		
60016		

P8AX80-716/FF



- RF coaxial surge protector
- 2.5 GHz
- 2000 W
- Connectors : 7/16
- Low insertion loss
- Removale GDT
- DC-pass
- Bi-directional protection



Electrical Characteristics		
Frequency range	f	DC-2.5 GHz
Insertion loss		< 0.2 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		< 1.2:1
Max. load current	IL	10 A
Residual Current (Leakage current to Ground)	Ipe	None
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	20 kA
Protection mode(s)		Common mode
Protection level(@1kV/µs (C3) )	Up	< 1600 V
Impulse current (2 x 10/350µs Test - D1 Category)	Iimp	1 kA
Nominal discharge current (8/20µs Test x 10 - C2 Category)	In	5 kA
Max Power		2000 W
DC Pass		true
Insulation resistance	IR	≥10 GOhms
Mechanical Characteristics		
Technology		Gas discharge tube
Connection to Network		7/16 Femelle to 7/16 Bulkhead Female
Mounting		Feedthrough
Housing material		Brass/Surface plating : Cu Zn Sn
Operating temperature	Tu	-40/+85°C
Protection rating		IP66
Outdoor application		Yes
Failsafe mode		Short-circuit
Disconnection indicator		Transmission interrupt
Spare module(s)		BH-800V
Dimensions		See diagram
Contacts		Bronze/Surface Au-Ag
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497C / UL497E
RohS compliance		Yes
Part number		
<b>60418</b>		

P8AX80-716/MF



- RF coaxial surge protector
- 2.5 GHz
- 2000 W
- Connectors : 7/16
- Low insertion loss
- Removale GDT
- DC-pass
- Bi-directional protection



Electrical Characteristics		
Frequency range	f	DC-2.5 GHz
Insertion loss		< 0.2 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		<1.2:1
Max. load current	IL	10 A
Residual Current (Leakage current to Ground)	Ipe	None
Max. discharge current (max. withstand @ 8/20 μs by pole)	I <sub>max</sub>	20 kA
Protection mode(s)		Common mode
Protection level (@1kV/μs (C3) )	Up	< 1600 V
Impulse current (2 x 10/350μs Test - D1 Category)	I <sub>imp</sub>	1 kA
Nominal discharge current (8/20μs Test x 10 - C2 Category)	I <sub>n</sub>	5 kA
Max Power		2000 W
DC Pass		true
Insulation resistance	IR	≥10 GOhms
Mechanical Characteristics		
Technology		Gas discharge tube
Connection to Network		7/16 Male to 7/16 Bulkhead Female
Mounting		Feedthrough
Housing material		Brass/Surface plating : Cu Zn Sn
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP66
Outdoor application		Yes
Failsafe mode		Short-circuit
Disconnection indicator		Transmission interrupt
Spare module(s)		BH-800V
Dimensions		See diagram
Contacts		Bronze/Surface Au-Ag
Weight		0.255 kg
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497C / UL497E
RohS compliance		Yes
Part number		
60408		

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