CNP 230TV F/FF

- Coaxial surge protector
- Imax : 20 kA
- Up to 1 GHz
- Connectors : BNC, F, TNC, TV(SE)

Electrical Characteristics		
Network		coaxial DC-1000 MHz
Nominal line voltage	Un	< 100 V
Max. DC operating voltage	Uc	< 150 V
Operating current *Continious current at Uc*	Ic	none
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	20 kA
Max. load current	IL	0.5 A
Protection mode(s)		MC
Protection level *@ In (8/20µs)*	Up	800 V
Protection level L/N *@ In (8/20µs)*	Up L/N	800 V
Protection level L/PE *@ In (8/20µs)*	Up L/ PE	800 V
Impulse current *2 x 10/350µs Test - D1 Category*	Iimp	2.5 kA
Nominal discharge current *8/20µs Test x 10 - C2 Category*	In	5 kA
Max. frequency	f	DC-1 GHz
Impedance		50/75 ohms
Insertion loss		< 0.6 dB
Max Power		190 W
Return loss		≥20 dB
VSWR		< 1.35:1
Maximum Follow current *If*	A	None
bandwith limit *low*	kHz	dc
bandwith limit *high*	kHz	1000000
Impedance	Ω	75
Insertion loss *Maximum*	db	<0.6
Return Loss *Minimum*	db	>20
VSWR *Maximum*	:1	<1.35:1

Electrical Characteristics		
Nominal Discharge Current *In (8/20µs x 10)*	kA	5
DC Pass		Yes
Connection Method		Series (bi-directional)
End of life		Short-circuit

Mechanical Characteristics		
Technology		Gas discharge tube
Connection to Network		Connector F Female/Female
Format		Insulating box
Mounting		on plate
Housing material		Metal+plastic
Operating temperature		-40/+85°C
Protection rating		IP20
Failsafe behavior		Short-circuit
Disconnection indicator		transmission interrupt
Technology		DIODE+GDT+RESISTOR

Norms		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497C / UL497E

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