

Type N@F/M Coaxial RF Surge Protector , DC- 3.0GHz,550w,IP67,20kA, CE,RoHs,FCC

Description

RF surge protector (also known as lightning arrester) OMS-N/JK-3.0 from Omrdon utilizing GDT design enables an almost instantaneous response to a lightning surge to protect critical hardware while maintaining the RF performance. This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range.

Electrical Specifications

Model	OMS-N-JK/3.0
Nominal Surge Current (In) (8/20μs)	10 KA
Maximum Surge Current (Imax) (8/20μs)	20 KA
Response Time (Ta)	≤100 ns
Input Power, CW	550 Watts
V.S.W.R	≤1.2
DC Spark-over Voltage(100V/s)	230 Volts
Maximum Impulse Spark-over Voltage(1000V/s)	700 Volts
Impedance	50 Ω
Insertion Loss	≤0.2 dB
Frequency Range	DC-3.0 GHz
Insulation Resistance	≥5000 MΩ

Mechanical Specifications

Interface way	N@Female to Male
material	Brass@electroplate Ni
Ground Resistance Ω / wire diameter	≤4Ω / ≥2.5mm ²
Size	66.5*25*25mm
Weight	122g [0.269 lbs]

Environmental Specifications

Temperature Operating Range	-40 ~ +85°C, Altitude ≤4km
Ingress Protection (IP) Rating	30%~90%
waterproof rating	IP67



Features:

- ❖ Surge current of 20KA
- ❖ Max Power 550W
- ❖ Frequency range from DC-3.0GHz
- ❖ Waterproof IP67 rated
- ❖ N-type connector @ female to male
- ❖ VSWR <1.2 Low insertion loss
- ❖ CE & RoHS compliant

Applications:

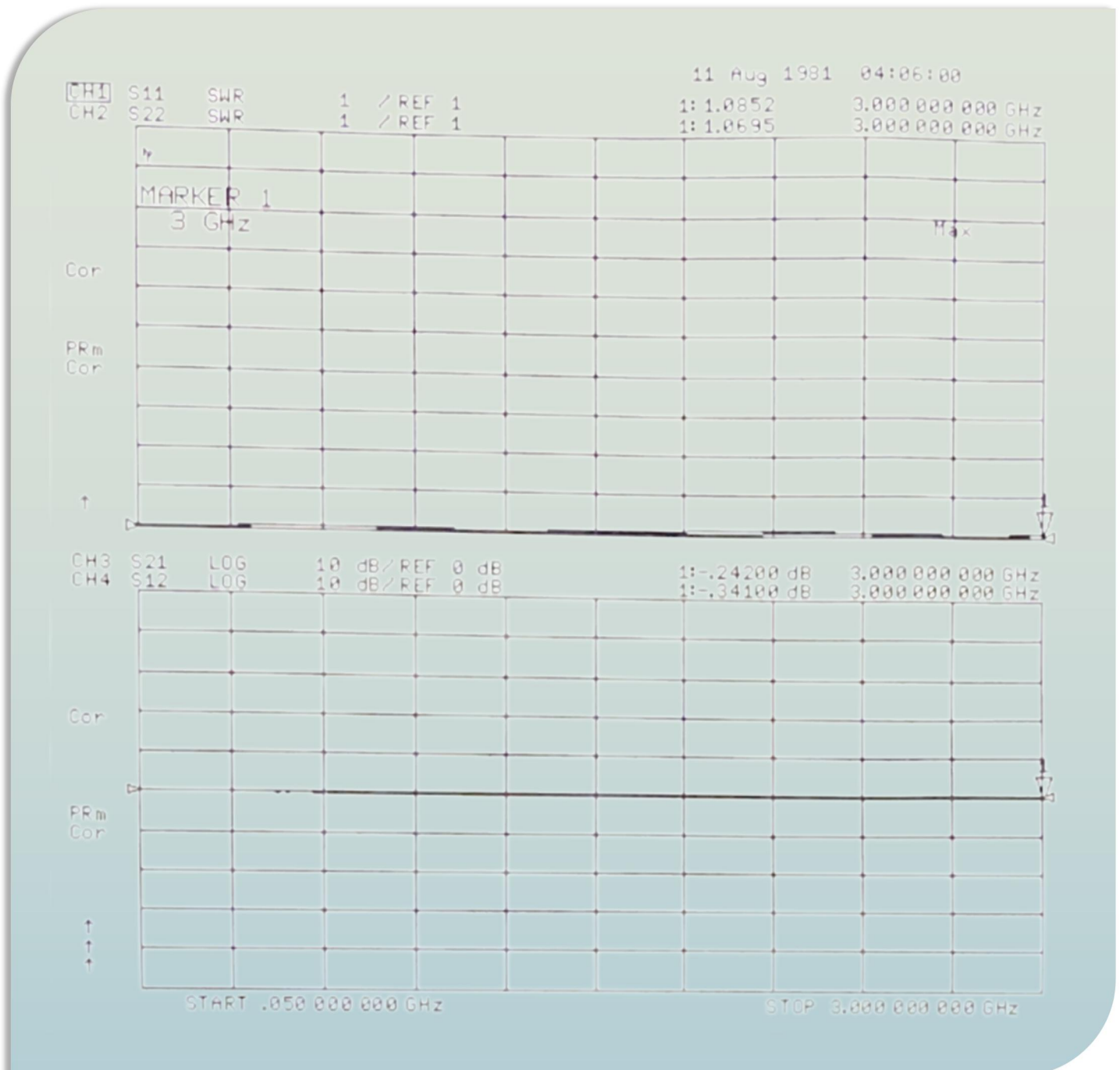
- ❖ GNSS
- ❖ WiFi
- ❖ Radar stations
- ❖ Mobile communication
- ❖ Satellite communications
- ❖ Microwave stations

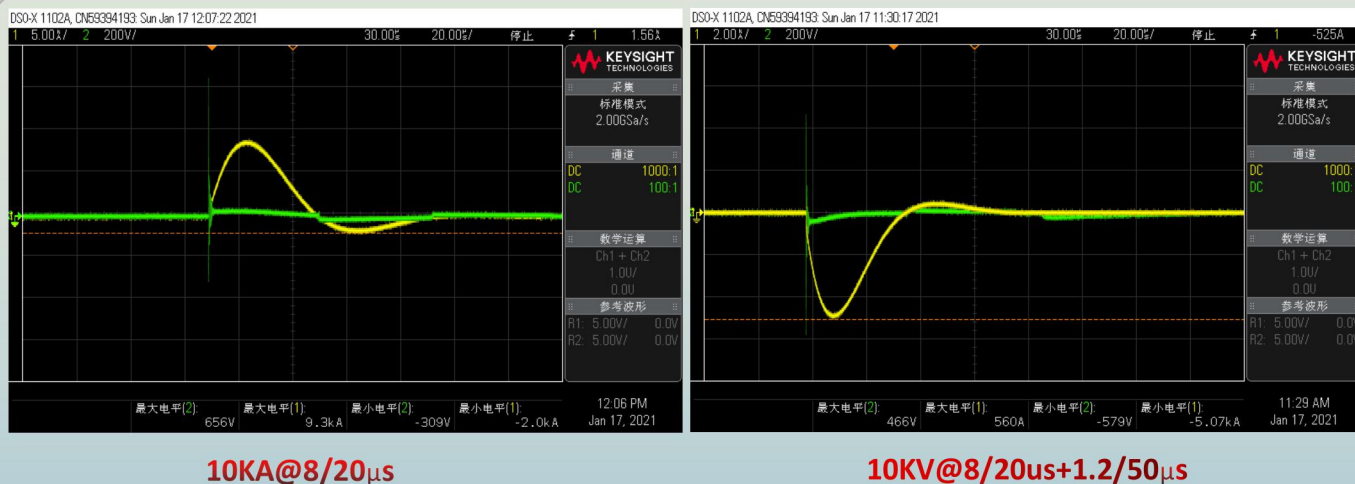
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Other Information

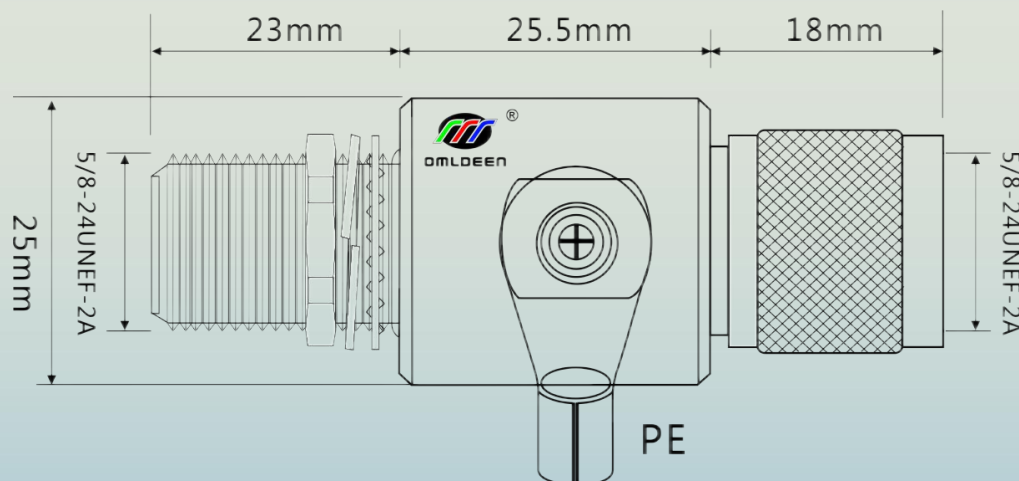
Compliance Certifications	CE, RoHs,FCC,IP67,ISO9001-2015
Implementation of the standards	GB18802.21/IEC61643-21/IEC60169-4
Order No.	800403

Typical Performance Data





Product Size



Company Qualification



ISO9001-2015



CE



ROHS



FCC