DGXE+30NMNF-A

Features
- Surge current of 20kA
- Max Power 400W
- Frequency range from 650 MHz to 2.7GHz
- N Male to N Female connectors
- Waterproof IP67 rated
- DC Pass
- VSWR <1:1
- Low insertion loss
- CE & RoHS compliant
- Directional

Applications
- WiFi
- GPS
- Land mobile radio
- Cellular communications systems

Description
RF surge protector (also known as lightning arrester or surge arrester) DGXE+30NMNF-A from PolyPhaser, utilizing a patented hybrid protection technology integrating a silicon avalanche suppression diode (SASD), a Metal Oxide Varistor (MOV) and a gas tube (GT or GDT). This RF surge protector component is manufactured in a coaxial in-line design with wide operating frequency range. All PolyPhaser RF surge protector products are available in stock with same day shipping.

Electrical Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>0.65</td>
<td></td>
<td>2.7</td>
</tr>
<tr>
<td>Impedance</td>
<td></td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>VSWR</td>
<td></td>
<td></td>
<td>1:1:1</td>
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<tr>
<td>Insertion Loss</td>
<td></td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>Operating Voltage (DC)</td>
<td></td>
<td>30</td>
<td></td>
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<tr>
<td>Input Power, CW</td>
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<td>400</td>
<td></td>
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<td>Surge Current IEC 61000-4-5 8/20μs waveform</td>
<td></td>
<td>20</td>
<td></td>
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<tr>
<td>Turn On Voltage</td>
<td></td>
<td>33</td>
<td></td>
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<tr>
<td>Throughput Energy</td>
<td></td>
<td>1.5</td>
<td>mJ</td>
</tr>
</tbody>
</table>

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:
Type N M/F Coaxial RF Surge Protector, 650MHz - 2.7GHz, 400W, IP67, 30 V Max., 1.5mJ, 20kA, Hybrid, Bracket Down, Hole Mount DGXE+30NMNF-A
DGXE+30NMNF-A

Mechanical Specifications

Size
- Length: 3.28 in [83.31 mm]
- Width/Diameter: 2.83 in [71.88 mm]
- Height: 1.42 in [36.07 mm]
- Weight: 1 lbs [453.59 g]

Configuration
- Input Connector: N Male
- Output Connector: N Female

Environmental Specifications

Temperature
- Operating Range: -50 to +85 deg C
- Storage Range: -50 to +85 deg C

Ingress Protection (IP) Rating: IP67

Humidity: 95%

Compliance Certifications

RoHS Compliant

Plotted and Other Data

Notes:

PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, DC Pass and Ultra Low PIM. Backed by responsive service and expert technical support PolyPhaser continually expands its product offering and services to serve engineers’ urgent needs for RF components in mission critical communication networks.

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. PolyPhaser reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. PolyPhaser does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and PolyPhaser does not assume any liability arising out of the use of any part or documentation.
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DGXE+30NMNF-A CAD Drawing