PolyPhaser

Positive Train Control (PTC) Filter, Railroad RF Band Pass, 219.5 MHz to 222 MHz, Type N F/F, 20W CW, IP54

ZOLYPHASER

RRF-ITC-219-NFF

Features

- Max Power 20W
- Frequency Range from 219.5 MHz to 222 MHz
- N-Type Female connectors

- Waterproof IP54 rated
- VSWR Typical 1.5:2

Description

RF band pass filter RRF-ITC-219-NFF from PolyPhaser, is a combline filter with high rejection. This RF filter is manufactured in a coaxial in-line design with a specific operating frequency range. All PolyPhaser RF surge protector products are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Passband Frequency	219.5		222	MHz
Impedance		50		Ohms
Insertion Loss			2.5	dB
Passband VSWR		1.5:1		
Passband Return Loss		14		dB
Rejection at 88 MHz	60	33		dB
Rejection at 458 MHz	60	33		dB
Input Power, CW			20	Watts

Electrical Specification Notes:

Values at 25°C, sea level.

Mechanical Specifications

Size

 Length
 15.18 in [385.57 mm]

 Width
 11.11 in [282.19 mm]

 Height
 2.99 in [75.95 mm]

 Weight
 1 lbs [453.59 g]

Configuration

Design Combline Number of Sections

Connector 1 N Female
Connector 2 N Female

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Positive Train Control (PTC) Filter, Railroad RF Band Pass, 219.5 MHz to 222 MHz, Type N F/F, 20W CW, IP54 RRF-ITC-219-NFF

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Environmental Specifications

TemperatureOperating Range

-40 to +70 deg C

Environment
Ingress Protection (IP) Rating
Humidity
Vibration

40% to 95%, Non-condensing 5 to 10 Hz = 7.6mm 10 to 200 Hz = 1.5 G Mech shock - 10 G

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at 25°C, sea level.

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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URL: https://www.polyphaser.com/railroad-band-pass-219.5-222-mhz-rrf-itc-219-nff

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RRF-ITC-219-NFF CAD Drawing

