Product Data Sheet **716-UC90-07**

Bias-T with Surge Protection 7-16 DIN, 800 to 2200 MHz

Product Description

The RFS BIAS-T is used to inject or extract DC currents onto the center conductor of the coaxial cable feeder. It is intended for applications such as powering of Tower Mounted Amplifiers (TMAs) and Antenna Control Units (ACUs) for Remote Electrical Tilt (RET) antenna systems. The Bias-T is suitable for high RF performance and offers built in surge protection of outdoor mobile communication systems requiring DC power.The surge protection is created by the use of a high power gas capsule lightning protector with integrated high pass DC filter for DC blocking on the protected side of the component. It is rated to protect against both direct and indirect multiple strikes in the harshest environments imaginable. Its rugged construction utilizes solid metal housings, beryllium-copper contacts and superior plating, which results in outstanding system protection and operating continuity.

Features/Benefits

• RF peak power not limited by gas capsule• Superior RF performance, PIM level lower – 150 dBc available• Availability for applications from 380 to 2500 MHz• Safe extinguishing of capsule after having conducted a surge current to ground• Up to factor 500 (more than 99%) reduced residual pulse energy• Waterproof IP 65• Gas capsule pre-installed• DC-blocking on protected side of component• DC injection facility

Technical Specifications

Product Line	Coaxial Cable Components
Product Type	Surge Arrestor
Surge Arrestor Type	Bias-T with Surge Protection
Coaxial Cable Type	Foam Dielectric, Ultraflexible Foam Dielectric , Radiating Cable
Connector Interface	7-16 DIN
Frequency Range - MHz	800 - 2200
Minimum Return Loss (max. VSWR), dB (VSWR)	19 (1.253:1)
Insertion Loss, dB (Max)	0.15
Peak Power, kW	7.25
Connector A	7-16 DIN Male (unprotected)
Connector B	7-16 DIN Female (protected)
TNC Pigtail	RG316 Jumper, single ended with TNC Male Connector, L=25ft
Package Quantity	1

Notes

Other Documentation

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