TMA Bias Tee---

The REMECHIMARK family of TMA offers a cost-effective solution for extending the uplink coverage and improving the quality of service from either new or existing BTS sites. The TMA Bias Tee enables the injection of DC supply and communication signals onto the existing coaxial feeder for simple implementation of the TMA system.

Bias Tee – RF Function
The Bias Tee incorporates a network for the injection of DC onto the existing RF feeder. The RF path has low insertion loss, high return loss and excellent passive intermodulation performance. A high voltage, high Q coaxial capacitor isolates the BTS and antenna ports whilst maintaining a low loss RF path. The antenna port DC injection is achieved by a low resistance high impedance RF isolating network.

Bias Tee – DC and TMA alarm communication Function
The Bias Tee DC supply connections are fed onto the RF line via the RF isolating network. The DC connection is protected by a gas discharge tube (GDT) with secondary protection using a transient protector diode. TMA can communication with PDU via Bias Tee.

FEATURES
- Bias Tee feed of DC supply -no additional RF cable
- Extremely Low RF Insertion Loss
- Excellent Return Loss
- Exceptional Passive Intermodulation Performance

Enabled TMA
- Interfaces directly with the REMECHIMARK Power Distribution Unit (PDU)
- 10kA lightning protection
- High MTBF
- Designed to meet ETSI 11.21

PACKAGING
- Compact and lightweight
- Indoor
- Simple installation

BENEFITS / APPLICATIONS
- Low cost of installation
- No additional feeders
- Replaces existing lightning protectors with 10 kA capability

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Characteristics	Specificaiton
Frequency Range	800-1000MHz
Max Input Power	200W (53dBm)
Insertion loss	≤0.3dB
VSWR	=20dB
DC Resistance	≤1.2Ω
Connector	DIN 7/16 Male or Female
Max DC Voltage	8-15V
Max DC current	900mA
Size (inc. connectors)	98.5×47×36mm
Lighting Protection	IEC-1312-1, 8/20 sec pulse at 10KA
EMC	ETS300 342-3
MTBF	≥1,000,000H
Temp. Range	-40 to +55℃
Humidity	5 to 95%

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