

Protect Critical Infrastructure from Lightning Surges

GNSS Surge Protector

MODEL

TVA-05V



- Purpose-built surge protector for GNSS timing receivers – L1/L2/L5 Compatible
- Lightning surge protection rated for IEC 61643-21 (JIS C 5381-21) Category C2. Ensures reliability in harsh environments
- Delivers high safety against lightning for critical infrastructure time synchronization systems
- Improved protection performance for long-term operation
- It supports DC Pass for active antennas

Model	TVA-05V
Water-proof	IP67 *
Frequency band (Ft)	1.1 - 1.7 GHz
Maximum continuous working power (Uc)	6W
Maximum allowable power	10W
Insertion loss	Typ. 0.42dB
VSWR	< 1.5
Connector	N-type both ends (J)
Impedance	50Ω
Voltage protection level (Up)	< 10V
Impulse durability	15kV (1.2/50μs) 7.5kA (8/20μs), Positive and Negative each 5 times
Compliance	CE, RoHS, WEEE compliant

*Only when the connector part is drip-proofed

Related Products

Timing Multi-GNSS Receiver Module “GT-100”

Dual band L1/L5 Reception Achieves World-Class Robustness and Time Accuracy



Multi-GNSS Timing Antenna “AU-500”

Dual band L1/L5 GNSS Antenna. IP67 Waterproof/Dustproof with Lightning Protection—Ideal for Time Synchronization.



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