

450IS POWER COUPLER UIS-DPC



Varis' Smart Com 450IS Power Coupler provides an interface between the IS Leaky Feeder network and IS system Power Supplies. The UIS-DPC introduces negligible loss to the Leaky Feeder network and therefore does not affect amplifier spacing.



UIS-DPC

Product Specifications

Part Number	UIS-DPC
Physical	
Construction	Single Printed Circuit Board
Enclosure	NEMA 4x (IP66), Fiberglass reinforced polyester plastic
Dimensions (L x W x H)	160 x 155 x 91 mm (6.3 x 6.1 x 3.6 in)
Weight (nominal)	0.95 kg (2.09 lbs)
Connectors	2 N-type Jack Bulkheads, PG21 cable grip
Conformal Coating	2 coats, CTI > 100
Environmental	
Temperature Range	-20 to +60° C (-4 to +140 °F)
Electrical	
Spur Voltage	0-12 Vdc
RF Characteristics	
Input Impedance	50 ohms
Output Impedance	50 ohms
Frequency Range	10 – 500 MHz
Insertion Loss	Main Line: < 0.5 dB Spur Branch: >40 dB
Approvals	
Intrinsic Safety	MSHA Certification Pending
CE Certification	No

Installation

- The UIS-DPC is used as a power coupler in Smart Com 450IS systems only. The UIS-SP2 is used as a power coupler in Smart Com 450 non-IS systems.
- The 450IS power coupler introduces negligible line loss and therefore does not need to be considered during amplifier spacing.
- Refer to the latest version of MSHA-UIS-10 for Smart Com 450IS installation rules.