



# UHF-DPC UHF POWER COUPLER

- Feeds DC Power to UHF System
- DC Range Between 0 Vdc and 36 Vdc
- Does Not Affect Amplifier Spacing
- N-Type Connections

## FEATURES

Becker Mining Systems smartcom® 450 Power Coupler provides an interface between the Leaky Feeder network and system Power Supplies.

The UHF-DPC introduces negligible loss to the Leaky Feeder network and therefore does not affect amplifier spacing.

## TECHNICAL DATA

### PERFORMANCE SPECIFICATIONS

|                  |  |
|------------------|--|
| Frequency Range  | 20 - 500 MHz                                 |
| Input Impedance  | 50 Ω   |
| Output Impedance | 50 Ω   |
| Insertion Loss   | Main Line: < 0.5 dB;<br>Spur Branch: > 50 dB |
| Spur Voltage     | 0 - 36 Vdc                                   |

### MECHANICAL DATA

|                        |   |
|------------------------|---|
| Dimensions (L x W x H) | 160 x 140 x 91 mm<br>(6.3 x 5.5 x 3.6 in) |
| Weight (nominal)       | 0.95 kg (2.09 lbs)                        |
| Enclosure              | Fiberglass reinforced polyester plastic   |
| Connectors             | 3 N-type Jack<br>Bulkheads                |
| Finish                 | Black                                     |
| Gasket                 | Silicon                                   |

### ENVIRONMENTAL DATA

|                   |                               |
|-------------------|-------------------------------|
| Temperature Range | -20 to +60 °C (-4 to +140 °F) |
| Protection Rating | NEMA 4x (IP66)                |

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

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