

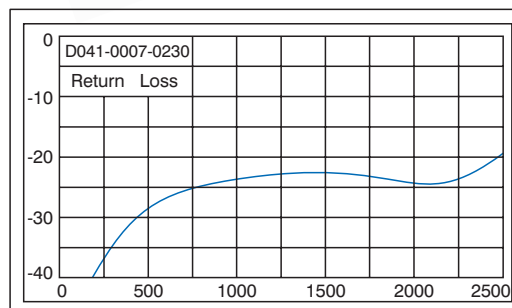
Surge Suppressor

Deltec™ Coaxial Surge Suppressors utilize an easily replaceable gas capsule to suppress high voltage from lightning strikes and other sources. The compact design has a low insertion loss and excellent VSWR characteristics.



Table 1

Order code*	Max working voltage	Typical Application
-0090	90 V	Receiver protection
-0230	230 V	Single-carrier GSM/AMPS operation of up to 100 W
-0900	900 V	Multi-carrier GSM/AMPS operation with up to 7 carriers at 25 W each. CDMA/DAMPS operation with up to 4 carriers at 25 W with less than 1.5:1 VSWR
-1500	1500 V	Multi-carrier GSM/AMPS operation with up to 13 carriers at 25 W each. CDMA/DAMPS operation with up to 7 carriers at 25 W with less than 1.5:1 VSWR



Electrical Specifications

Frequency range
 Impedance
 Max VSWR (DC-560 MHz)
 (> 560 MHz)
 Max insertion loss (DC-1.5 GHz)
 (1.5-2.3 GHz)
 Temperature range
 Impulse discharge
 current 8/20 μ s
 Max spark-over at 2 KV/ μ s

D041-0005 Series N female

DC-1.5 GHz
 50 Ω
 1.1:1 (26 dB R/L)
 1.3:1 (18 dB R/L)
 0.1 dB
 n/a
 -30 to +60°C
 20 KA (90-900 V)
 15 KA (1500 V)
 800 V (90-230 V)
 2000 V (900 V)
 3500 V (1500 V)

D041-0006 Series N male-female

DC-1.5 GHz
 50 Ω
 1.1:1 (26 dB R/L)
 1.3:1 (18 dB R/L)
 0.1 dB
 n/a
 -30 to +60°C
 20 KA (90-900 V)
 15 KA (1500 V)
 800 V (90-230 V)
 2000 V (900 V)
 3500 V (1500 V)

D041-0007 Series 7/16 DIN female

DC-2.3 GHz
 50 Ω
 1.1:1 (26 dB R/L)
 (1.3:1 (18 dB R/L)
 0.1 dB
 0.2 dB
 -30 to +60°C
 20 KA (90-900 V)
 15 KA (1500 V)
 800 V (90-230 V)
 2000 V (900 V)
 3500 V (1500 V)

Connector antenna end
 Connector equipment end

N female
 N female

N male
 N female

7/16 DIN female
 7/16 DIN female

Mechanical Specifications

Mounting hole diameter
 Max mounting plate thickness
 Size L x $\varnothing$
 Weight

16.4 - 18.0 mm
 6 mm
 64 x 35 mm
 0.175 kg

16.4 - 18.0 mm
 6 mm
 64 x 35 mm
 0.175 kg

30.5 mm
 15 mm
 94 x 45 mm
 0.64 kg

Order Numbers:

90V
 230V
 900V
 1500V

D041-0005-0090
 D041-0005-0230
 D041-0005-0900
 D041-0005-1500

D041-0006-0090
 D041-0006-0230
 D041-0006-0900
 D041-0006-1500

D041-0007-0090
 D041-0007-0230
 D041-0007-0900
 D041-0007-1500

Replacement gas tubes only Order number **D041-0008-xxxx***