



## Regal®

### F-81 Connectors & 1 to 3 GHz Ground Blocks



#### Features

##### F-81 Connectors

- Tin plated beryllium copper conical seizure mechanisms and flat F-ports provide enhanced electrical performance (digital version)
- UL® Listed

##### High/Low Profile 3GHz Ground Blocks

- Pressed-in F-81 connectors ensure continuity and proper grounding (RGB-81)
- Conical seizure mechanism and flat F-ports provide enhanced electrical performance (digital version)
- UL® Listed
- Made from high quality, chromate-treated zinc alloy

Note 1: Patent number 5,096,444

##### Gold/Red 1GHz Surge Protected Ground Blocks

- Printed circuit board ensures consistent RF performance
- Chromate treated zinc alloy housing resists corrosion and extends product life
- Serrated stainless steel backplate increases metal-to-metal contact for improved EMI isolation
- Gas tube surge protected
- UL® Listed

#### Application

##### F-81 Connectors

The F-81 type connector is available in two lengths to accommodate in-line splicing and wall plate applications.

Regal F-81 barrels are made of nickel plated, free-spinning brass with  $\frac{3}{8}$ " 32 UNEF threads and flat ports.

##### 3GHz Ground Blocks

Regal Ground Blocks offer a variety of options for meeting NEC requirements when grounding the service drop at the customer premises.

# F-81 Connectors & 1 to 3 GHz Ground Blocks

## Specifications

### F-81 Type Connectors - Model # DRF-81, DRF-81H

Frequency (MHz)	5-1000	1000-2000	2000-3000
Insertion Loss	0.1	0.2	0.25
Return Loss	27	23	20

### F-81 Type Connectors - Model # RF-81, RF-81H

Frequency (MHz)	5-400	401-500	501-550	551-600	601-1002
Insertion Loss	0.1	0.1	0.16	0.16	0.25
Return Loss	20	18	17	16	15 (14)1

### Model # RGB-81HP, RGB-81LP, RGB-81

High and Low Profile Ground Blocks	
Frequency (MHz)	5-600 601-1002
Insertion Loss (dB Max.)	0.17 0.17
Return Loss (dB Min.)	17 15

### Model # GB1DSP10

Frequency (MHz)	5-600	601-1002
Insertion Loss (dB Max.)	0.25	0.35
Return Loss (dB Min.)	18	15
Surge Protection (Volt/Min.)	15K	15K
EMI Shielding (dB Min.)	90	90

### Model # DRGB-81HP, DRGB-81LP (Digital Ground Blocks)

Frequency (MHz)	5-1,000	2000-3000
Insertion Loss (dB Max.)	0.1	0.25
Return Loss (dB Min.)	27	20

Note 1: RF-81 only

Specifications are subject to change without notice

## Ordering Information

ARRIS#	Mfg#	Description
209378	DRF-81	F-81 Splice with Conical Seizure Mechanism, without Hardware, 1.1" Long, for In-Line Splicing
209379	DRF-81H	F-81 Bulkhead with Conical Seizure Mechanism and Hardware, 1.4" Long, for Use With Wall Plates
703774	DRF-81W	F-81 Splice Fully Threaded on One Side with Conical Seizure Mechanism, Nut And Washer
127761	RF-81	F-81 Splice without Hardware, 1.1" Long, for In-Line Splicing
127760	RF-81H	F-81 Bulkhead with Hardware, 1.4" Long, for Use With Wall Plates
252450	RF-81W	F-81 Splice Fully Threaded on One Side with Nut and Washer
086272	RGB--81	Ground Block with Pressed-in F-81, 1 GHz
250430	GB1DSP10	Ground Block with Gas Tube Surge Arrestor, 1 GHz Bandwidth
209377	DRGB-81HP	Digital Ground Block with Pressed-in F-81 High Profile, UL® Listed, 3 GHz
209382	DRGB-81LP	Digital Ground Block with Pressed-in F-81 Low Profile, 3 GHz

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