### 900MHz MATV Splitters • 1GHz 130dB One-Side Splitters • Online Attenuator Pads • Sky Spectra™ Analyzers



Satellite Finder Meters B12

SkyTracker™ Signal Meters B13

B14



Inline DC Passing Attenuators

B10

Sky Tracker<sup>™</sup> Satellite Finder

B14



Voltage Blocking Coupler

B10

F Ground Blocks

B15



**Coaxial Surge Protector B10** 



Premium F Ground Blocks B15





Hex Head Mounting Screws B19





F-F Flat Through Cable B20

63



Satellite Dish Level B20



Metal Cable Clamps B22



**Tool Bags and Pouches** B26





Mid-Size TV-Telephony Wall Plates Decorator-Style Wall Plates B28 B28 B28 B28

Weather Boots

B23

-33 33



**Box Service Enclosure** B23

S?



HDMI Wall Plates B28

Self-Locking Cable Ties B24



Matching Transformers B30

Anchor Kit B19







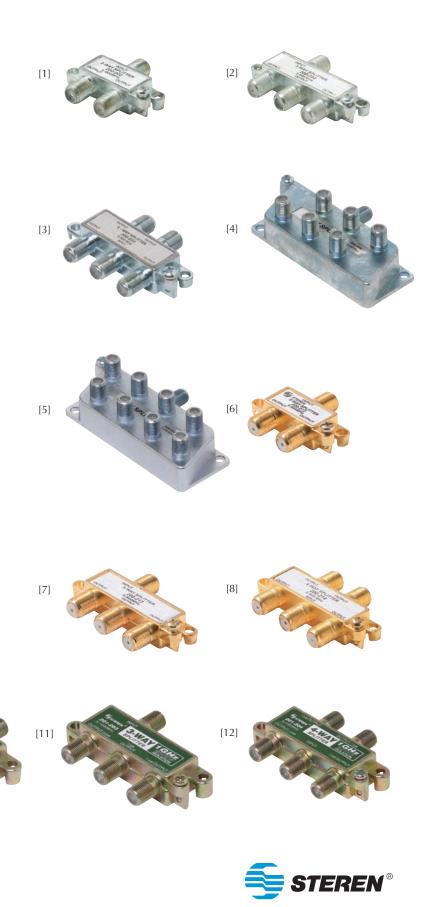
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#### 900MHz MATV Splitters

5-900MHz 75Ω MATV Low-Cost F Splitters Suitable for Consumer MATV Applications Epoxy-Sealed Back-Cover Mounting Tabs with Screws - Cast-In Ground Block

[1]	200-202	2-Way 900MHz F Mini-Splitter
[2]	200-203	3-Way 900MHz F Mini-Splitter
[3]	200-204	4-Way 900MHz F Mini-Splitter
[4]	200-206	6-Way 900MHz F-Splitter
[5]	200-208	8-Way 900MHz F-Splitter
[6]	200-212	2-Way 900MHz F Mini-Splitter – Gold
[7]	200-213	3-Way 900MHz F Mini-Splitter – Gold
[8]	200-214	4-Way 900MHz F Mini-Splitter – Gold
	200-222	2-Way 900MHz F-Splitter
	200-223	3-Way 900MHz F-Splitter
	200-224	4-Way 900MHz F-Splitter



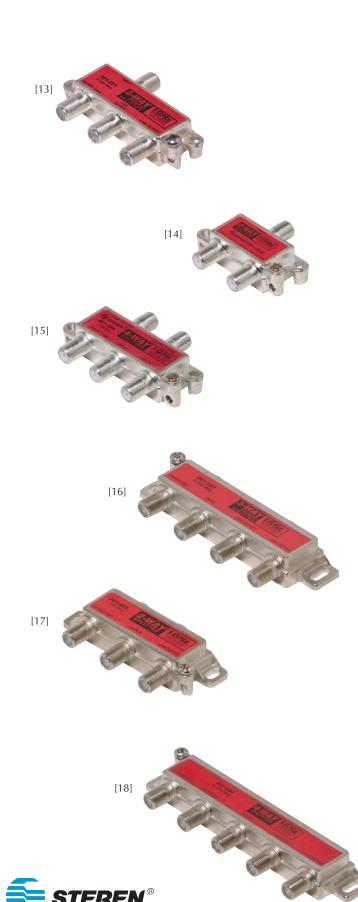
### 1GHz 90dB F-Splitters

5-1000MHz 75 $\Omega$  High-Isolation F-Splitters 90dB min RFI Shielding - Epoxy-Sealed Back-Cover High-Performance Printed-Board Circuitry 3/8" Precision Machined F-Connector Threads Mounting Tabs with Screws - Cast-In Ground Block 1" centered F-ports accommodate security tools

[9]	201-201	3-Way Balanced 1GHz 90dB F-Splitter Insertion Loss 7dB max. Port-Port Isolation 20dB min. Input Return Loss 18dB min.
[10]	201-202	2-Way 1GHz 90dB F-Splitter Insertion Loss 4.3dB max. Port-Port Isolation 20dB min. Input Return Loss 15dB min.
[11]	201-203	3-Way 1GHz 90dB F-Splitter Insertion Loss 4.2/8.2dB max. Port-Port Isolation 20dB min. Input Return Loss 15dB min.
[12]	201-204	4-Way 1GHz 90dB F-Splitter Insertion Loss 8.2dB max. Port-Port Isolation 20dB min. Input Return Loss 15dB min.

[10]

[9]



#### 1GHz 130dB F-Splitters

5-1000MHz 75Ω Highest Isolation F-Splitters Soldered-Back Cover 130dB min. RFI Shielding High-Performance Printed-Board Circuitry 3/8" Precision Machined F-Connector Threads Mounting Tabs with Screws - Cast-In Ground Block 1" centered F-ports accommodate security tools

- [13] 201-221 3-Way Balanced 1GHz 130dB F-Splitter Insertion Loss 7dB max. Port-Port Isolation 20dB min. Input Return Loss 18dB min.
- [14] 201-222 2-Way 1GHz 130dB F-Splitter Insertion Loss 4.3dB max. Port-Port Isolation 20dB min. Input Return Loss 19dB min.
- [13] 201-223 3-Way 1GHz 130dB F-Splitter Insertion Loss 4.2/8.2dB max. Port-Port Isolation 20dB min. Input Return Loss 19dB min.
- [15] 201-224 4-Way 1GHz 130dB F-Splitter Insertion Loss 8.2dB max. Port-Port Isolation 20dB min. Input Return Loss 16dB min.

#### 1GHz 130dB One-Side Splitters

5-1000MHz 75Ω Highest Isolation F-Splitters Horizontal One-Sided Input and Output Ports One-sided port design allows close mounting in lock-boxes for easy access of cable connections Soldered-Back Cover 130dB min. EMI-RFI Shielding High-Performance Printed-Board Circuitry Mounting Tabs with Screws - Cast-In Ground Block Anti-Corrosion Nickel-Plated Zinc-Alloy Cast Housing 3/8" Precision Machined F-Port Threads 1" centered F-ports accommodate security tools

- [16] 201-281 3-Way Balanced 1GHz 130dB F-Splitter Insertion Loss 7.2dB max. Port-Port Isolation 20dB min.
- Input Return Loss 15dB min. [17] 201-282 2-Way 1GHz 130dB F-Splitter Insertion Loss 4.2dB max. Port-Port Isolation 25dB min. Input Return Loss 20dB min.
- [16] 201-283 3-Way 1GHz 130dB F-Splitter Insertion Loss 4.2/8.2dB max. Port-Port Isolation 20dB min. Input Return Loss 18dB min.
- 4-Way 1GHz 130dB F-Splitter [18] **201-284** Insertion Loss 8.2dB max. Port-Port Isolation 20dB min. Input Return Loss 15dB min.



### **1GHz 90dB Vertical F-Splitters**

5-1000MHz 75Ω High Isolation F-Splitters Vertical port design allows close mounting in lock boxes for easy access of cable connections 90dB min RFI Shielding – Epoxy-Sealed Back-Cover High-Performance Printed-Board Circuitry ¾° Precision Machined F-Connector Threads Mounting Tabs with Screws – Cast-In Ground Block 1″ centered F-ports accommodate security tools

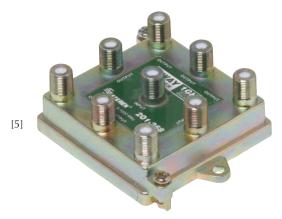
[1]	201-261	3-Way Balanced 1GHz 90dB F-Splitter Insertion Loss 7dB max. Port-Port Isolation 20dB min. Input Return Loss 18dB min.
[2]	201-262	2-Way 1GHz 90dB F-Splitter Insertion Loss 4.2dB max. Port-Port Isolation 25dB min. Input Return Loss 18dB min.
[3]	201-264	4-Way 1GHz 90dB F-Splitter Insertion Loss 8.1dB max. Port-Port Isolation 24dB min. Input Return Loss 18dB min.
[4]	201-266	6-Way 1GHz 90dB F-Splitter Insertion Loss 11.5dB max. Port-Port Isolation 22dB min. Input Return Loss 20dB min.
[5]	201-268	8-Way 1GHz 90dB F-Splitter Insertion Loss 12.5dB max. Port-Port Isolation 21dB min. Input Return Loss 20dB min.













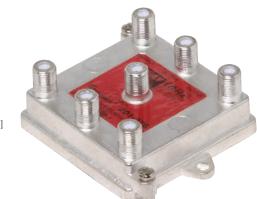
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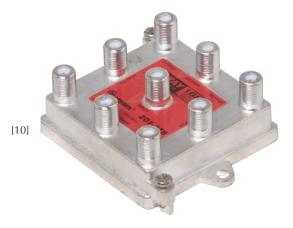


#### 1GHz 130dB Vertical Splitters

5-1000MHz 75 $\Omega$  Highest Isolation F-Splitters Vertical port design allows close mounting in lock boxes for easy access of cable connections Soldered-Back Cover 130dB min. RFI Shielding High-Performance Printed-Board Circuitry  $\frac{3}{6}$  Precision Machined F-Connector Threads Mounting Tabs with Screws – Cast-In Ground Block 1" centered F-ports accommodate security tools

- [6] 201-271 3-Way Balanced 1GHz 130dB F-Splitter Insertion Loss 7dB max. Port-Port Isolation 20dB min. Input Return Loss 18dB min.
- [7] 201-272 2-Way 1GHz 130dB F-Splitter Insertion Loss 4.2dB max. Port-Port Isolation 25dB min. Input Return Loss 18dB min.
- [6] 201-273 3-Way 1GHz 130dB F-Splitter Insertion Loss 4.2/8dB max.
   Port-Port Isolation 23dB min.
   Input Return Loss 20dB min.
- [8] 201-274 4-Way 1GHz 130dB F-Splitter Insertion Loss 8.2dB max. Port-Port Isolation 24dB min. Input Return Loss 18dB min.
- [9] 201-276 6-Way 1GHz 130dB F-Splitter Insertion Loss 11.5dB max. Port-Port Isolation 22dB min. Input Return Loss 20dB min.
- [10] **201-278** 8-Way 1GHz 130dB F-Splitter Insertion Loss 12.5dB max. Port-Port Isolation 21dB min. Input Return Loss 20dB min.





[9]



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### 1GHz 130dB Digital Splitters

Premium 1GHz 130dB Digital Ready Splitters Broadband and CATV 5-1000MHz 75Ω Splitters Suitable for Hybrid Distribution Networks, HDTV, Voice, Data, Modem and Digital Converter Applications High-Performance Printed Board Circuitry Soldered-Back Cover 130dB min. EMI-RFI Shielding ¾ Precision Machined F-Port Threads 1 " centered F-ports accommodate security tools

[1]	201-101	3-Way Balanced 1GHz 130dB F-Splitter Insertion Loss 7dB max. Port-Port Isolation 25dB min. Input Return Loss 20dB min.
[2]	201-102	2-Way Balanced 1GHz 130dB F-Splitter Insertion Loss 4.2dB max. Port-Port Isolation 25dB min. Input Return Loss 20dB min.
[1]	201-103	3-Way Unbalanced 1GHz 130dB F-Splitter Insertion Loss 4.2/8.2dB max. Port-Port Isolation 25dB min. Input Return Loss 20dB min.
[3]	201-104	4-Way Balanced 1GHz 130dB F-Splitter Insertion Loss 8.2dB max. Port-Port Isolation 25dB min. Input Return Loss 20dB min.
[4]	201-106	6-Way Balanced 1GHz 130dB F-Splitter Vertical Port Configuration Insertion Loss 11.5dB max. Port-Port Isolation 25dB min. Input Return Loss 20dB min.
[5]	201-108	8-Way Balanced 1GHz 130dB F-Splitter Vertical Port Configuration Insertion Loss 12.5dB max. Port-Port Isolation 20dB min. Input Return Loss 18dB min.





















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#### 2.4GHz Satellite Splitters

40-2400MHz 75Ω High-Frequency F-Splitters Suitable for Analog and Digital Satellite Applications 90dB min RFI Shielding – Epoxy-Sealed Back-Cover High-Performance Printed-Board Circuitry <sup>3</sup>/<sub>6</sub>" Precision Machined F-Connector Threads Mounting Tabs with Screws – Cast-In Ground Block DC Power Passing to One or All Ports for Remote LNB-Powering Applications and Powering Antenna Pre-Amplifier from Headend F-ports accommodate security tools

- [6] 201-232 2-Way 2.4GHz 90dB Satellite-Splitter DC Power Passing to One Port Insertion Loss 2.5dB @ 900-1750MHz, 6dB @ 1750-2400MHz Input Return Loss 8dB @ 900-1750MHz, 5dB @ 1750-2400MHz
   Output Return Loss 8dB @ 900-1750MHz, 5dB @ 1750-2400MHz
- [7] 201-234 4-Way 2.4GHz 90dB Satellite-Splitter DC Power Passing to One Port Insertion Loss 11.5dB @ 900-1750MHz, 13dB @ 1750-2400MHz Input Return Loss 5dB @ 900-2400MHz Output Return Loss 8dB @ 900-1750MHz, 4dB @ 1750-2400MHz
- [8] 201-242 2-Way 2.4GHz 90dB Satellite-Splitter DC Power Passing to All Ports Insertion Loss 5.2dB @ 900-1750MHz, 8dB @ 1750-2400MHz Input Return Loss 8dB @ 900-1750MHz, 5dB @ 1750-2400MHz
   Output Return Loss 8dB @ 900-1750MHz, 5dB @ 1750-2400MHz
- [9] 201-244
   4-Way 2.4GHz 90dB Satellite-Splitter DC Power Passing to All Ports Insertion Loss 11.5dB @ 900-1750MHz, 15dB @ 1750-2400MHz Input Return Loss 5dB @ 900-2400MHz Output Return Loss 8dB @ 900-1750MHz, 4dB @ 1750-2400MHz

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#### **1GHz Directional Couplers**

5-1000MHz 75Ω Directional Couplers 90dB min RFI Shielding – Epoxy-Sealed Back-Cover Printed-Board Circuitry – 2-Way System Compatible ¾ "Precision Machined F-Connector Threads T-Type or Wall-Plate Mount Configurations

[1]	201-306	6dB T-Type Directional Coupler
[1]	201-309	9dB T-Type Directional Coupler
[1]	201-312	12dB T-Type Directional Coupler
[1]	201-316	16dB T-Type Directional Coupler
[1]	201-320	20dB T-Type Directional Coupler
[1]	201-324	24dB T-Type Directional Coupler
[1]	201-327	27dB T-Type Directional Coupler
[1]	201-330	30dB T-Type Directional Coupler
[2]	201-356	6dB Plate-Mount Directional Coupler
[2]	201-359	9dB Plate-Mount Directional Coupler
[2]	201-362	12dB Plate-Mount Directional Coupler
[2]	201-366	16dB Plate-Mount Directional Coupler
[2]	201-370	20dB Plate-Mount Directional Coupler
[2]	201-374	24dB Plate-Mount Directional Coupler
[2]	201-377	27dB Plate-Mount Directional Coupler
[2]	201-380	30dB Plate-Mount Directional Coupler



Tap Value (dB)	Tap Value Tolerance (dB)	Insertion Loss (max./dB)	Isolation Output-Tap (min./dB)	Return Loss (min./dB)
6	1.5	3.5	22	15
9	1.5	3.5	25	15
12	1.5	1.5	25	15
16	1.5	1.5	25	15
20	1.5	1.5	25	15
24	1.5	1.5	25	15
27	1.5	1.5	25	15
30	1.5	1.5	32	15



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	Specifica	tions	
Insertion Loss (dB)	Insertion Loss Tolerance (dB)	M-Port Return Loss (min./dB)	F-Port Return Loss (min./dB)
3	1.5	12	12
6	1.5	15	15
8	1.5	15	15
10	1.5	12	12
12	1.5	12	12
16	1.5	15	15
20	1.5	15	15



Specifications			
Insertion	Insertion Loss	M-Port	F-Port
Loss	Tolerance	Return Loss	Return Loss
(dB)	(dB)	(min./dB@MHz)	(min./dB@MHz)
3	1.5	13@5-950,10@950-2000	10
6	1.5	13@5-950,10@950-2000	10
8	1.5	13	13@5-950,10@950-2000
10	1.5	13	13@5-950,10@950-2000
12	1.5	12	10@5-950,8@950-2000
16	1.5	13@5-950,	10@5-950,
		10@950-2000	6@950-2000
20	1.5	12	11@5-950,
			8@950-2000





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#### **Inline Attenuator Pads**

0-2000MHz Female-to-Male Inline Attenuators Monolithic Ceramic Printed-Board Circuitry 22-Gauge Spring-Steel Center – Tolerance 5% Return Loss 20dB typical

[3]	201-403	3dB Inline Attenuator Pad
[3]	201-406	6dB Inline Attenuator Pad
[3]	201-408	8dB Inline Attenuator Pad
[3]	201-410	10dB Inline Attenuator Pad
[3]	201-412	12dB Inline Attenuator Pad
[3]	201-416	16dB Inline Attenuator Pad
[3]	201-420	20dB Inline Attenuator Pad

#### **Inline DC Passing Attenuators**

0-2000MHz Female-to-Male Inline Attenuators DC Power Passing Monolithic Ceramic Printed-Board Circuitry 22-Gauge Spring-Steel Center – Tolerance 5% Return Loss 20dB typical

[4]	201-503	3dB Inline DC-Passing Attenuator
[4]	201-506	6dB Inline DC-Passing Attenuator
[4]	201-508	8dB Inline DC-Passing Attenuator
[4]	201-510	10dB Inline DC-Passing Attenuator
[4]	201-512	12dB Inline DC-Passing Attenuator
[4]	201-516	16dB Inline DC-Passing Attenuator

[4] **201-520** 20dB Inline DC-Passing Attenuator

#### **Voltage Blocking Coupler**

[5] 201-500 5-2000MHz DC Blocking Coupler Female-to-Male – Insertion Loss 0.3dB Return Loss 16dB Typical 22-Gauge Spring-Steel Center Insertion Loss 0.5dB@0-1750MHz

#### **Coaxial Surge Protector**

 [6] 201-590 SurgeStop<sup>™</sup> Coaxial Surge Protector Provides lightning protection for satellite receivers, CATV converters, TVs and VCRs 10,000MΩ Protection – Self-Resetting Response Time 100 ns Surge Resistance ~0Ω Frequency Range 5-2150MHz Power Passing Capability: 10A 50VDC 36VAC RMS Insertion Loss: <0.2dB Video –1500MHz Return loss (75Ω): 16dB (VSWR 1.38) Video – 500 MHz 14dB (VSWR 1.50) – 500-1500 MHz B

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#### **TV-Satellite Mini-Diplexer**

[1] **201-254** 5-2400MHz TV-Satellite Mini-Diplexer Separates or combines off-air TV-antenna and satellite signals from or onto a single feed-line High-Performance Printed-Board Circuitry 90dB min. RFI Shielding Epoxy-Sealed Back-Cover <sup>3</sup>/<sub>8</sub><sup>"</sup> Precision Machined F-Connector Threads DC Power Passing to One Port 500mA max. ANT Insertion Loss 1.2dB @ 40-800MHz, 2.3dB @ 800-860MHz SAT Insertion Loss 3.3dB @ 950-1000MHz. 2.5dB @ 1000-2300MHz SAT Return Loss 12.5dB @ 40-890MHz Dimensions 11/2"(W) x 5/8"(H) x 1"(D)

#### Satellite Antenna Tripod

[2] **221-120** 

Satellite Antenna Tripod Tower Base Swing-Up Easy Installation Mounts DBS dish safely and securely Zinc-Plated 16-Gauge Tubular Steel Legs OD 1<sup>1</sup>/<sub>4</sub>" – Mast OD 1<sup>5</sup>/<sub>8</sub>" 31<sup>1</sup>/<sub>4</sub>"(W) x 45<sup>1</sup>/<sub>2</sub>"(H) x 25<sup>5</sup>/<sub>8</sub>"(D)

#### **Non-Penetrating Roof Mount**

[3] 221-110 Non-Penetrating Roof Mount Mounts DBS satellite dish safely and securely on rooftop Ideal for Dish Antennas with Foot Mounts Ensures smooth and fast antenna mounting Accepts standard-size concrete building blocks as anchors Sturdy Steel Construction Includes foot-mounting bolts, nuts, washers 37½"(L) x 24½"(D)

#### Satellite Dish Mounts

[4] **221-351** Satellite Dish Eave Mount Bracket Used for Attaching Dish to Buildings Ideal for Antennas up to 24" (60cm) Wide Pivots in center with slots on either side allow use at any pitch or angle [5] **221-352** "J" Pipe Mount Mounting foot can be used on either end of pipe for best mounting Steel Construction – 36″ Long Electro-Coated for Maximum Protection [6] **221-353** Wall Mount Antenna Brackets W-Type Wall Mount Brackets 4" Clearance from Wall Attaches antenna mast to side of building Set of Two Brackets Includes mounting hardware





#### **Clamp-On Satellite Dish Mounts**

Unique design simplifies and reduces dish installation time Penetration-free attachment ensures no damage to structures Mount's shape and grey coating make mount inconspicous Clamps directly to roof overhang joists or eaves, fences, or railings of patios/balconies

Attaches to any solid wood or metal structure up to 3" wide Constructed of heavy gauge steel and coated for durability Textured inner surfaces keep mount firmly in place Mounting plate features multiple hole-patterns for compatibility with any type or size dish Includes all necessary installation hardware

- [7] **221-360** Small Clamp-On Mount (Up to 24" Dishes)
- [8] **221-365** Large Clamp-On Mount (18" to 36" Dishes)

#### **Dual Satellite Signal Level Meter**

[9] **203-510** Dual Satellite Signal Level Meter Simultaneously monitors two satellite LNBs Provides accurate alignment of altitude, elevation and tilt-skew Amplified broadband detector and variable gain controls allow detection of wide range of input levels Audio tones enable rough signal detection Meter deflection for precise acquisition Meters can be independently switched between level, current, voltage and 22kHz tone Frequency Range 950-2150MHz Impedance  $75\tilde{\Omega}$  – Insertion Loss 4.5dB Internal Rechargeable Battery 100mA 11hrs

Internal Rechargeable Battery 100mA 11hrs Battery Life 500 Charge/Discharge Cycles Includes 24VDC 100mA transformer Includes custom carrying case  $7\frac{1}{2}$  (W) x 5% (H) x 5% (D) Weight: 3.0-lbs.

#### **Satellite Finder Meters**

Highly Sensitive Meters with Built-In Buzzer Built-in Buzzer with Pitched Tone for Alignment Reference Front Panel Sensitivity Control RF and DC Pass-Through –  $75\Omega$  950-2050MHz Input Sensitivity 7mV@55dB – LNB Gain 3-Carrier C/N 15dB Input Level -25 to -75dBm – LNB Gain 52-60dB Power Requirements 13-18VDC Requires 6dB attenuator for 60-65dB LNB gain

[10] **200-992** Analog Pocket Satellite Finder

[11] **200-993** LED Bar-Graph Pocket Satellite Finder



#### SkyTracker™ Signal Meters

Hand-Held SkyTracker<sup>™</sup> Signal Meters For Precise Satellite Position Location Dish Network® and DirecTV® Compatible Compact Design – Microprocessor Controlled High Sensitivity for Receiving Weak Signals Attenuation Adjustment for Strong Signals Visual/Audio Readout for Hands-Free Operation Built-in Beeper, Volt/mA Meter Impedance 75Ω – Input Frequency 950-2150MHz Optional Accessories Kit – CE Approved

- [1] 203-620 SkyTracker<sup>™</sup> Plus Single-LNB Meter LED and Audio Indicators Identifies DiSEqC and 22kHz Powered by Receiver or DC Supply Meter Ranges 10-20V, 0-500mA Input level 20-100 dBµV 5¾"(W) x 2¼"(H) x ¾"(D)
- [2] 203-630 SkyTracker<sup>™</sup> Pro Dual-LNB Meter Measures 2 LNBs simultaneously LCDs and Selectable On/Off Tone Identifies DiSEqC, 22kHz, 13/18V, mA Can be set up as a two-way switch Runs DiSEqC 1.2/SatScan actuator Transmits 22 kHz, DiSEqC to LNB Powered by receiver or DC supply Meter Ranges 0-30V, 0-900mA Input level 20-100 dBµV Optional Carrying Case and Battery 5<sup>3</sup>/<sub>4</sub>"(W) x 2<sup>1</sup>/<sub>4</sub>"(H) x <sup>3</sup>/<sub>4</sub>"(D)
- [3] 203-635 SkyTracker<sup>™</sup> Accessories Kit Rechargeable External Battery Pack AC and Car Cigarette Lighter Adapter 6' RG6 Quick Connect Patch Cable Leather Carrying Case and Strap Compartment for 203-620 or 203-630 9½″(W) x 4⅔″(H) x 1⅔″(D)











[4]



[5]



#### SkyTracker™ Satellite Meters

Fast, Accurate Satellite Antenna Alignment Lightweight, Easy-to-Use Handheld Design Convenient Push-Button Operation Powered by External Battery or Satellite Receiver Compatible with Dish Network® and DirecTV® Systems Input Frequency 950-2150MHz Input Level 20~100dBµV Through Loss 3.5dB Input/Output Impedance 75Ω Charging Power Supply 14-20VDC @ 200mA Measures signal strength, current consumption and receiver output voltage Includes external 10.8V NiCd battery pack, 120VAC power adapter/charger, 12V car adapter/charger, carrying case and RG6 jumper

[4] 203-621 SkyTracker<sup>™</sup> Plus Single LNB Digital Satellite Meter Graphical LED Scale or Variable Audio Tone Signal Strength Readout Power Consumption 10mA, with Audible Tone 25mA 57%"(W) x 2<sup>1</sup>/4"(H) x 1<sup>3</sup>/16"(D)

[5] 203-622 SkyTracker<sup>™</sup> Pro II Dual LNB Digital Satellite Meter Built-in 22kHz Tone Generator to Control Multiswitches Graphical LCD Bar Scale, Numerical Indicator or Variable Audio Tone Signal Strength Readout Power Consumption 40mA, with Audible Tone 50mA Overload Protection with LNBF Current Draw Limiter 55‰"(W) x 2¼"(H) x 1¾6"(D)

#### SkyTracker Satellite Finder

[6] 203-650 SkyTracker™ Beeper Satellite Finder Suitable for RV with Satellite Dish Automatic Attenuation Adjustment Pitch Tone Indicator – Includes earbud



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#### **F** Ground Blocks

Used in CATV and Satellite Subscriber Grounding Applications Weather-Resistant Zinc-Alloy Cast Housing <sup>3</sup>/16<sup>°°</sup> grounding holes accept 8 AWG wire Includes mounting screws

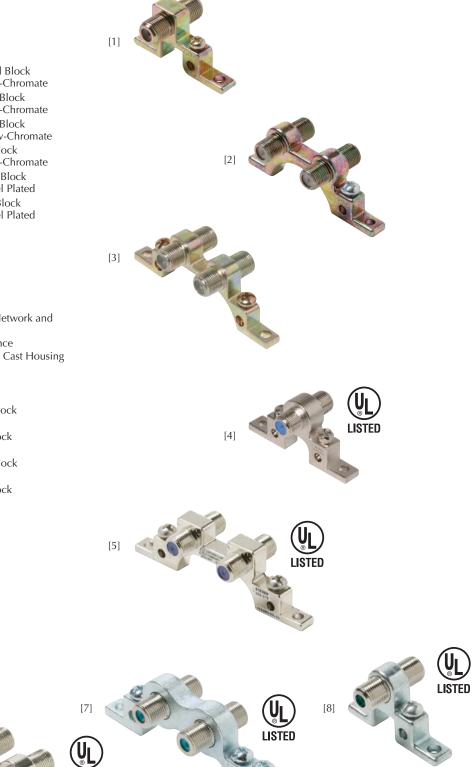
[1]	200-271	900MHz Single F Ground Block 1 Ground Screw – Yellow-Chromate
[2]	200-272	900MHz Dual F Ground Block 1 Ground Screw – Yellow-Chromate
[3]	200-273	900MHz Dual F Ground Block 2 Ground Screws – Yellow-Chromate
[1]	200-274	1GHz Single F Ground Block 1 Ground Screw – Yellow-Chromate
[4]	200-278	2.5GHz Single F Ground Block 2 Ground Screws – Nickel Plated
[5]	200-279	2.5GHz Dual F Ground Block 2 Ground Screws – Nickel Plated

#### **Premium F Ground Blocks**

High-Performance F Grounding Blocks Used in CATV and Satellite Subscriber Grounding Applications Designed for High-Frequency Broadband Network and Distribution System Applications to 3GHz Superb Digital-Ready Broadband Performance Weather-Resistant Nickel-Plated Zinc-Alloy Cast Housing Ground holes accept 8 AWG copper wire UL Listed

[6]	200-269	3GHz 4-Port F Ground Block 4 Ground Screws
[7]	200-270	3GHz Dual F Ground Block 3 Ground Screws
[8]	200-276	3GHz Single F Ground Block 1 Ground Screw

[5]	200-277	3GHz Dual F Ground Block
		2 Ground Screws



LISTED



### **Ground Straps**

Provides low resistance ground connection for grounding CATV, satellite or telephone drops Adjustable Easy-Install for Permanent Connection to Water Pipes or Service Masts to 10-14 AWG Ground Wire Weather Resistant

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[9]	200-280	8" Galvanized Steel Ground Strap Suitable for ½"-2" Diameter Pipe
[9]	200-283	10" Galvanized Steel Ground Strap Suitable for ½"-2½" Diameter Pipe
[9]	200-286	8" Copper Ground Strap Suitable for ½"-2" Diameter Pipe
[0]	200 200	10% C 10

[9] 200-288 10" Copper Ground Strap Suitable for 1/2"-21/2" Diameter Pipe

#### **Grounding Rod**

[10] 200-290 4' Universal Copper-Bonded Steel Rod 3/8" High-Strength Carbon-Steel Cold-Drawn for Increased Strength Conical tapered point eases soil penetration Includes hex-bolt ground clamp

#### **Silicone Compound**

Clear Silicone RTV Compound Cures to a tough resilient rubber texture Seals and insulates to prevent water penetration and galvanic corrosion

[11] **200-995** 1-oz. tube

[11] **200-996** 3-oz. tube



[11]



### **Grounding Hardware**

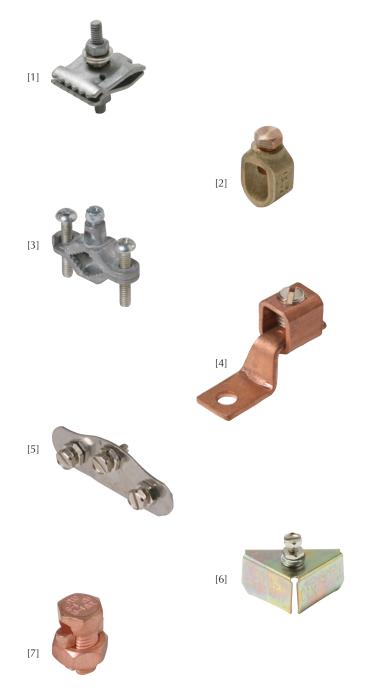
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Higł	High-Strength Bonding Ground Clamps				
[1]	200-230	10 AWG Galvanized Steel I-Beam Clamp Bonds copper wire to steel structure			
[2]	200-292	3/8" Bronze Acorn-Type Ground-Rod Clamp			
[2]	200-294	<sup>5</sup> / <sub>8</sub> Bronze Acorn-Type Ground-Rod Clamp			
[3]	200-295	Cast-Pipe Bronze Ground-Clamp Bonds bare copper wire to galvanized or copper water pipe Use with ½~1¾″ diameter pipe			
[3]	200-296	Cast-Pipe Zinc Ground-Clamp Bonds bare copper wire to galvanized or copper water pipe Use with ½~1¾″ diameter pipe			
[4]	200-297	Ground Lug			
[5]	200-298	Meter-Pan Flat Bonding Connector			
[6]	200-299	Meter-Pan Bonding Connector Bonds meter-pan metal frame to 10-14 AWG ground wire Galvanized Steel Construction Stainless Steel Green Ground Screw			



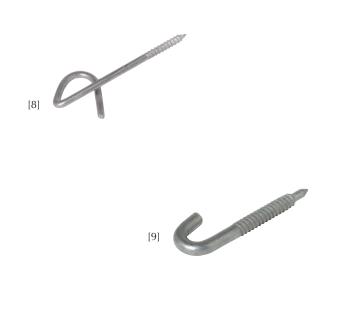
High-Clamping Force Split-Bolt Connectors Suitable for Copper or Copperweld Connections Constructed of High-Strength Corrosion-Resistant Copper-Bronze Alloy

[7]	200-244	No. 4 Split-Bolt Connector 8-4 Solid Equal Main and Tap
[7]	200-246	No. 6 Split-Bolt Connector 10-6 Solid Equal Main and Tap

[7] **200-248** No. 8 Split-Bolt Connector 16-8 Solid Equal Main and Tap







#### **Galvanized Poleline Hardware**

High-Quality Drop Line Hardware Suitable for Telephony, CATV, Wireless Cable Applications High-Strength Cast Aluminum Jaw Clamps Corrosion-Resistant Galvanized Steel Hardware

- [8] 200-232 P House Hook Secures CATV drop line to subscriber's house or building Threaded Shank Suitable for Installation in Wood or Masonry
- [9] 200-234 J Drive Hook Supports drop-wire clamp to pole in the absence of house hooks Threaded Shank Suitable for Installation in Wood or Masonry
- [10] **200-236** O-Span Clamp Provides drop-wire take-offs from strand and relieves drop-wire tension Used with <sup>1</sup>/<sub>4</sub>" to <sup>3</sup>/<sub>6</sub>" Messenger Strands
- [11] **200-240** C-Span Clamp Provides drop-wire take-offs from strand and relieves drop-wire tension Holds cable away from obstacles Used with <sup>1</sup>/<sub>4</sub>" to <sup>3</sup>/<sub>8</sub>" Messenger Strands







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#### Anchor Kit

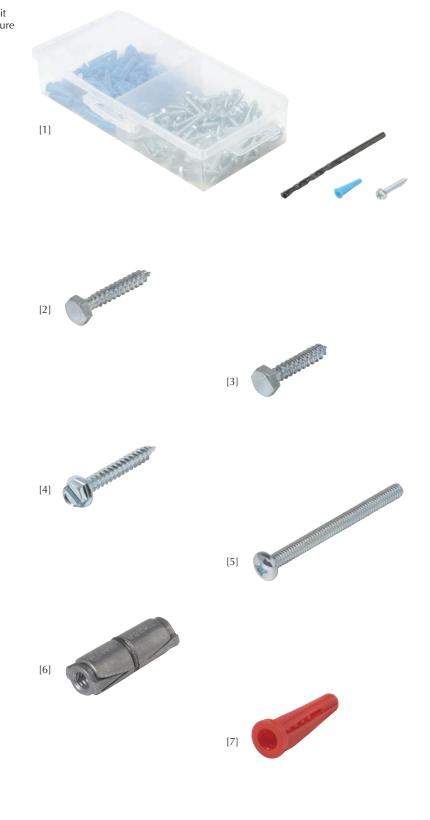
[1] **220-100** Anchor Kit with Anchors, Screws and Bit Clear Plastic Container with Clasp Closure Cut-Out Handle for Pegboard Hanging 100 pcs. 8-10 x 1" Mounting Anchors 100 pcs. #8 Steel Mounting Screws 1 pc.  $\frac{1}{4}$ " Masonry Drill Bit  $6\frac{1}{16}$ "(W) x  $3\frac{3}{6}$ "(H) x  $1\frac{1}{2}$ "(D)

#### **Hex Head Mounting Screws**

- [2] 220-110 <sup>1</sup>/<sub>4</sub>" x 1<sup>1</sup>/<sub>2</sub>" Hex Head Lag Screw
- [2] 220-115 <sup>1</sup>/4" x 2" Hex Head Lag Screw
- [2] **220-120** <sup>1</sup>/<sub>4</sub>" x 2<sup>1</sup>/<sub>2</sub>" Hex Head Lag Screw
- [2] **220-125** <sup>1</sup>/<sub>4</sub>" x 3" Hex Head Lag Screw
- [3] **220-210** <sup>5</sup>/16" x 1<sup>1</sup>/2" Hex Head Lag Screw
- [3] **220-215** <sup>5</sup>/<sub>16</sub>"x 2" Hex Head Lag Screw
- [3] **220-220** <sup>5</sup>/16<sup>°</sup>x 2<sup>1</sup>/2<sup>°</sup> Hex Head Lag Screw
- [3] **220-225** <sup>5</sup>/<sub>16</sub> x 3 Hex Head Lag Screw
- [4] 220-322 <sup>5</sup>/<sub>16</sub>" x 1<sup>1</sup>/<sub>4</sub>" Hex Head Sheet Metal Screw
- [5] **220-425** <sup>1</sup>/<sub>4</sub>" 20 3" Phillips Panhead Screw

#### **Mounting Anchors**

- [6] 220-500 Lead Double Expansion Anchor <sup>1</sup>/<sub>4</sub>" Use <sup>1</sup>/<sub>2</sub>" Drill Bit
- [7] 220-515 Plastic Mounting Anchor 6-8 x 1" Use <sup>3</sup>/<sub>16</sub>" Drill Bit





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### **DSS Quick Pipe Adapter**

[8] 200-904 15% DSS Easy-Install Pipe Adapter 8 Length Suitable for 2% to 4½ ID Pipes Adapts C-Band and PrimeStar pipes for 18 dishes Powder-Coated Durable Finish B

### F-F Flat Through Cable

[9] 205-090 8" Flat F-F 75Ω Jumper Cable Thickness <sup>3</sup>/<sub>32</sub>" Eliminates drilling through walls and conveniently runs under or over windows and doors Mounting Adhesive-Taped Back

Colors Available WH

#### Satellite Dish Level

[10] **200-991** 10x30mm Dual Satellite Dish Level Used in Installation Plastic Housing with Magnet







Cable Siding Clips		
Available in Four Styles and Sizes for Attaching Coaxial Cable to Horizontal or Vertical Aluminum or Vinyl Siding High-Impact Plastic in Black or Clear UV Inhibitor™ protects from ultraviolet ray damage	UVINHIBITOR "	
<ol> <li>200-951 Horizontal RG59 Cable Clip</li> <li>200-952 Horizontal RG6 Vinyl-Siding</li> <li>200-953 Vertical RG59 Siding Clip</li> <li>200-954 Vertical RG6 Vinyl-Siding</li> </ol>		[2]
Colors Available BK CL		
Coaxial Cable Clips		
6-7mm Coaxial Nail-In Fasteners Attaches to wood, concrete, brick, masonry, plaster Zinc-Plated Pre-Inserted Hardened Steel Nail High-Impact Plastic	UVINHIBITOR **	UVINHIBITOR **
[5] <b>200-955</b> RG59 Clips – <sup>3</sup> / <sub>4</sub> " Nail – 6mm		
Colors Available <b>BK</b>		
[5] <b>200-956</b> RG59 Clips – <sup>3</sup> / <sub>4</sub> " Nail – 6mm	[3]	[4]
Colors Available WH	Price/100	Price/100
[5] <b>200-960</b> RG6 Clips – 1" Nail – 7mm		
Colors Available BK		
[5] <b>200-961</b> RG6 Clips – 1" Nail – 7mm	UVINHIBITOR	UVINHIBITOR **
Colors Available WH		
[6] <b>200-962</b> RG6 Dual Clips – 1" Nail – 7mm		
Colors Available <b>BK WH</b>		
Flat-Cable Clip	[5] Price/100	[6] Price/100
[7] 300-954 Plastic Nail-In Fastener Suitable for 4C Flat Modular Cable Pre-Installed 1"Carbon-Steel Nails Suitable for Wood, Plaster, Mortar or Concrete Block		
Colors Available WH		
		e 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997
Ground Wire Clip	411	
[8] 300-955 10-14 AWG Ground Wire Clip Attaches to wood, concrete, brick, masonry and plaster Zinc-Plated Pre-Inserted Hardened Steel Nail – High-Impact Plastic	[7]	
Colors Available <b>BK WH</b>		
		STEREN®



Grip-Clip<sup>™</sup> Mounting Clips

Grip-Clip<sup>TM</sup> Cable Mounting Clips Automatically adjusts to coaxial wire size Provides strain relief without pinching or damage Pre-loaded screws and integral automatic ratchet mechanism allow for easy, one-handed installation UV Inhibitor<sup>TM</sup> protects from ultraviolet ray damage

[9]	200-963	Single Coax Grip-Clip™
Colo	rs Available	BK GY WH
[10]	200-965	Ground Wire Grip-Clip™
Colo	rs Available	BK GY IV WH
[11]	200-964	Dual Coax Grip-Clip™
Colo	rs Available	BK GY WH

#### **Nylon Cable Clamps**

Clear Virgin 6/6 Nylon-UL94V2 Self-Extinguishing Clamps

[12]	400-505	<sup>1</sup> /4" Cable Clamp – <sup>3</sup> /8" Wide
[12]	400-510	<sup>3</sup> / <sub>8</sub> Cable Clamp – <sup>1</sup> / <sub>2</sub> Wide
[12]	400-515	1/2" Cable Clamp – 1/2" Wide
Coloi	rs Available	CL

#### **Metal Cable Clamps**

- [13] 400-520 10 AWG Ground Aluminum Cable-Clip
- [13] 400-525 Series 6 Cable Aluminum Cable-Clip
- [13] **400-530** Steel E-Drop Cable Clip





Feed-Through Bushings		
Seals wall openings and protects cable Impact-Resistant ABS Plastic Construction UV Inhibitor™ protects bushing from ultraviolet ray damage	<b>UVINHIBITOR</b> <sup>™</sup>	UVINHIBITOR **
[1] <b>200-982</b> RG59 Bushing		[2]
Colors Available BK		
[1] <b>200-986</b> RG6 Bushing		
Colors Available BK CL IV WH		
[2] 200-988 RG6-Dual Bushing		
Colors Available BK CL IV		
[3] 200-984 RG6 Bushing with Ground and Messenger Knockouts	UVINHIBITOR **	UVINHIBITOR™
Colors Available BK CL IV WH	[3]	[4]
[4] <b>200-985</b> RG6-Dual Bushing with Ground and Messenger Knockouts	1	
Colors Available BK CL IV WH		
Cable Strain-Relief Boots		
Slip-On Insulated Strain-Relief Covers Protects and supports cable to prevent breakage	UVINHIBITOR **	U√ <i>INHIBITOR</i> ™
[5] <b>200-970</b> RG58 Cable Boot [5] <b>200-972</b> RG59 Cable Boot		
Colors Available <b>BK</b>	[5]	[6]
Weather Boots		
Tapered Inner-Diameter Weather Boots Suitable for Regular-Tri-Quad Shield Series 6 and Series 59 Coaxial Cable Flexible Rubber Construction UV Inhibitor™ Ultraviolet-Ray Resistant	UVINHIBITOR	
[6] <b>200-974</b> 2 <sup>°</sup> Short Boot – Tapered I.D. 6 <sup>1</sup> / <sub>2</sub> -11mm		
[7] <b>200-975</b> 2½″ Long Boot – Tapered I.D. 6½-11mm           [8] <b>200-976</b> 2″ Ribbed Short – Tapered I.D. 7-12mm	[7]	
[7] <b>200-977</b> 2 <sup>1</sup> / <sub>2</sub> " Long Boot – Tapered I.D. 6 <sup>1</sup> / <sub>2</sub> -11mm		
Colors Available BK		
Box Service Enclosure	UVINHIBITOR **	
[9] 220-710 Weather-Resistant Service Enclosure Provides secure enclosure for mounting splitters and terminating coax Weatherproof HDPE Construction with UV Inhibitor™ for Added Durability Padlock Eyelet for Added Security Generous ¾ x ½ Entrance Slots Accommodates multiple cables and allows for future expansion Removable Cover for Easy Access Mounts flat or on a pole using screw, cable tie or U-bolt slots 6¼"(W) x 8¾"(H) x 2¾"(D)	[9]	STEREN <sup>®</sup>
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# Satellite / CATV Drop Installation Materials

#### **Fish Tape**

 204-405 100' Fish Tape with Dispenser Used in Pulling Wires and Cables Inside Walls, Between Floors and in Conduit Durable Steel Tape Construction Ergonomic Hand Grip for Effective Tape Control Enclosed in Sturdy ABS Plastic Dispenser Retracting Trigger for Fast Rewinding <sup>1</sup>/<sub>6</sub>"(W) x 100'(L)

### **Cable Caddy**

 [2] 204-407 Cable Caddy Increases ease and efficiency of installing cables Holds up to 1000° cable reels Folds neatly for storage and transport Lightweight, Durable Steel Construction 20″(W) x 12″(H) x 18½″(D) 5 Per Box 52.91 lbs.





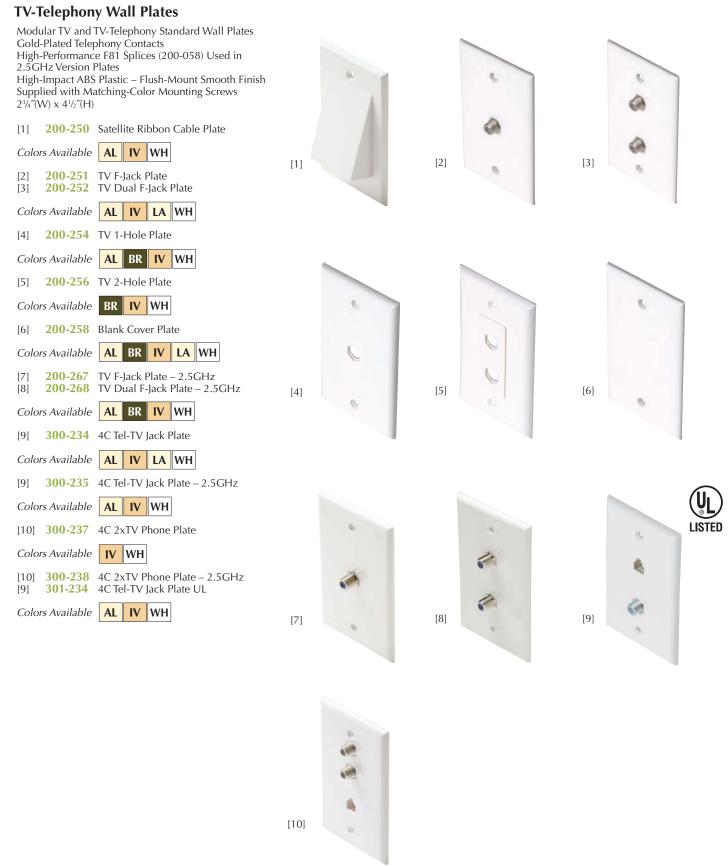




#### **Tool Bags and Pouches**

Rugged Fabric Bags, Reinforced in Critical Wear Areas Weather-Resistant for Indoor and Outdoor Use Durable stitching keeps integrity after years of use Strong rivets keep bags, straps from breaking Easy-Access Pockets for Organization and Efficiency Ergonomic Design for Easy Carrying to and from Worksites Won't damage walls, floors and countertops Attractive Black and Brown Color Combination Tools, Trays and Buckets Not Included

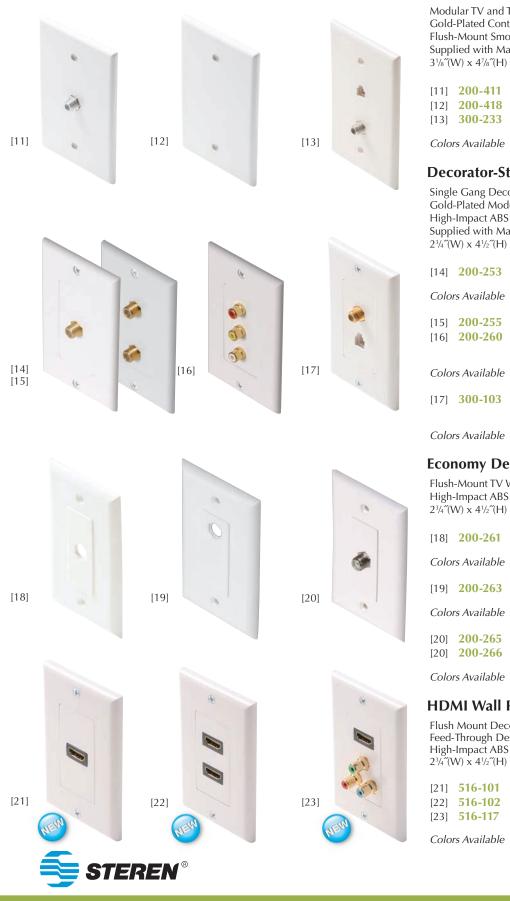
- [3] 204-451 15-Pocket Tool Bag with 16"Tray Compartment 7 Inside/8 Outside Pockets Extra Padded Carrying Handles for Strength and Comfort Comfortable, Adjustable Shoulder Strap Metal Tool Snap and Electrical Tape Strap Two Large Side Compartments with Web Loops for Large-Handle Tools Tools and Tray Not Included Dimensions: 16"(L) x 11"(W) x 10"(H)
- [4] 204-452 35-Pocket Tool Bucket Bag 8 Inside/27 Outside Pockets Fits inside standard 5-gal. bucket Large Interior Pockets and Room for Big Tools, Spray Cans, etc. Inside loop keeps hammer in place Outside loop can dispense tape without removing roll Includes shallow outside pockets for drill bits and screws Tools and Bucket Not Included Dimensions: 20"(L), fits 5-gal. bucket
  [5] 204-453 23-Pocket Industrial Tool Bag
  - 17 Inside/6 Outside Pockets Padded Carrying Handles for Strength and Comfort Foam-padded sides and reinforced bottom create semi-rigid framework Comfortable, Adjustable Shoulder Strap Tools Not Included Dimensions: 16"(L) x 9"(W) x 9"(H)
- [6] 204-454 28-Pocket Electrical and Maintenance Tool Pouch 9 Inside/19 Outside Pockets Box-shaped design keeps pouch steady on flat surface Includes many pockets for tools, drill bits, electrical tape, etc. Tools Not Included Dimensions: 9"(L) x 9"(W) x 18"(H)





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#### **Mid-Size TV-Telephony Plates**

Modular TV and TV-Telephony Mid-Size Wall Plates Gold-Plated Contacts – High-Impact ABS Plastic Flush-Mount Smooth Finish Supplied with Matching-Color Mounting Screws

	00-411 00-418						
13] <mark>3</mark> (	00-233	4C Te	el-TV	Jack N	∕lid-S	ize	
Colors A	vailable	AL	IV	LA	WH		

### **Decorator-Style Wall Plates**

Single Gang Decorator-Style Flush Plates Gold-Plated Modular Jack Contacts High-Impact ABS Plastic Mounting Bracket Supplied with Matching-Color Mounting Screws  $2^{3/4}(W) \ge 4^{1/2}(H)$ 

[14] <b>200-253</b>	TV Decorator F-Jack – Gold		
Colors Available	IV LA WH		
-	TV Decorator Dual F – Gold 3-RCA Decorator – Gold Yellow-Red-White Jack Insulators		
Colors Available	IV WH		
[17] <b>300-103</b>	4C Tel-TV Decorator Jack Gold-Plated F81 Connector		
Colors Available	IV LA WH		
conomy Decorator Wall Plates			
Flush-Mount TV Wall Plates High-Impact ABS Plastic with Mounting Hardware			

2<sup>3</sup>/<sub>4</sub>"(W) x 4<sup>1</sup>/<sub>2</sub>"(H)

[18] <b>200-261</b>	TV 1-Hole Economy Plate
Colors Available	BR IV WH
[19] <b>200-263</b>	TV Offset-Hole Economy Plate
Colors Available	IV WH
	F81 Economy Plate 1GHz F81 Economy Plate
Colors Available	,

#### **HDMI Wall Plates**

Flush Mount Decorator-Style HDMI Wall Plates Feed-Through Design High-Impact ABS Plastic with Mounting Hardware 2<sup>3</sup>/<sub>4</sub>"(W) x 4<sup>1</sup>/<sub>2</sub>"(H)

[21]	516-101	HDMI Wall Plate
[22]	516-102	Dual HDMI Wall Plate
[23]	516-117	HDMI + Component Video Wall Plate

Colors Available | WH

#### Audio-Video RF Modulator

[1] **203-101** Audio-Video NTSC RF Modulator Connects RCA and S-Video inputs from DVD players, camcorders, video game system consoles or any A/V equipment to an F-type output Suitable for Older TV Sets Without RCA or S-Video Inputs RF Output Channels 3&4 RF Output Impedance 75 $\Omega$ Video Input Impedance 75 $\Omega$ Video Input Impedance 75/1k $\Omega$ Audio Input Impedance 13±3k $\Omega$ TV-ANT Insertion Loss 2dB @ 806MHz Power Source 120VAC 60Hz 4.5W 5%"(W) x 1%"(H) x 3"(D)



#### **Audio-Video Selectors**

Automatic and Manual Audio-Video Selectors Connects 4 audio-video sources to a single TV set Suitable for DVD Players, DVRs/PVRs, VCRs, Camcorders, Video Game System Consoles, etc. Manual or automatic controls switch between various sources, eliminating the need for multiple monitors

[2] 200-470 Manual A/V Selector NTSC Modulator 4 S-Video and Composite Video Inputs Integrated Ch 3/4 RF Modulator Converts separate audio/video signals into a single VHF-TV signal (Ch 3 or 4) viewable on most TV sets Includes 120VAC 4.5W transformer 9½"(W) x 5½"(H) x 1½"(D)



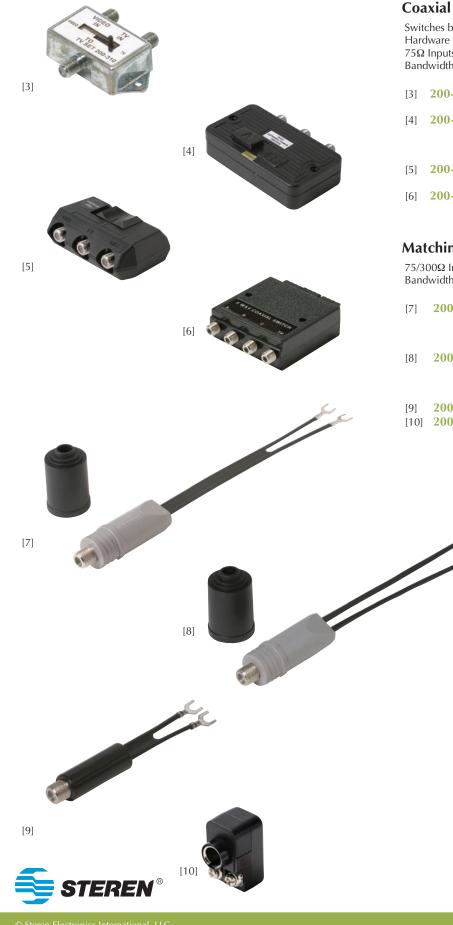
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#### **Coaxial Switches**

Switches between 2 or 3 input sources Hardware and Adhesive Pad Included  $75\Omega$  Inputs –  $75\Omega$  Output Bandwidth 5-900MHz UHF-VHF-FM

- [3] **200-310** 2-Way Slide Switch Low Cost 60dB Isolation Diecast Housing
- [4] **200-315** 2-Way Push-Button Switch 90dB High Isolation Heavy Duty Die-Cast Inner Housing Solid Push-Button Constant-Contact
- [5] **200-320** 2-Way Slide Switch 75dB Isolation – Shielded Housing
- [6] **200-345** 3-Way Push-Button Switch 60dB Isolation – Shielded Housing

#### **Matching Transformers**

 $75/300\Omega$  Impedance-Matching Baluns Bandwidth 5-900MHz UHF-VHF-FM

[7]	200-490	Indoor-Outdoor 75-300Ω Balun Sealed Molded PVC Construction 300Ω Twin-Wire Leads Protective Weather Boot Included
[8]	200-495	Indoor-Outdoor 75-300Ω Balun Sealed Molded PVC Construction 16 AWG Solid Hook Terminals Protective Weather Boot Included
[9]	200-500	Indoor 75-300Ω Balun
[10]	200-510	Quick-Connect 300-75Ω Balun Insulation-Piercing Screws