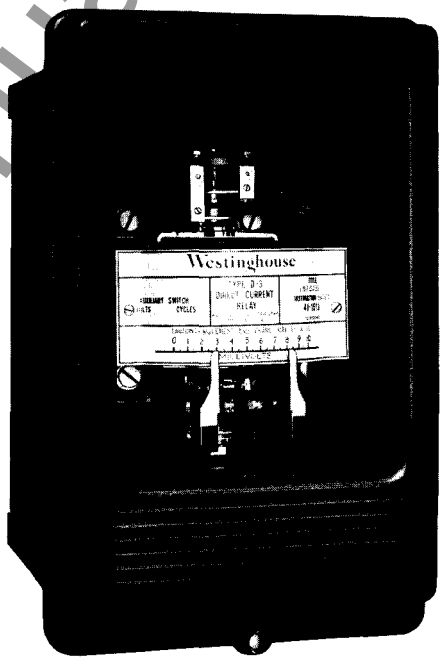
Westinghouse Electric Corporation
Relay and Telecommunications Division
Coral Springs, FL 33065

August, 1986
Supersedes RPD 41-151A1
dated November, 1971
Mailed to: E, D, C/41-400B

Under, Over and Reverse Current (D-3) Relay
Temperature, Microns and Vacuum Measuring (DT-3) Relay
Generator Field and Ground Detector (DGF) Relay
In FT-21 Flexitest Case①

Types D-3, DT-3 and DGF Relays



DGF Relay

Complete Relay Style Number	Range (MA)	Rating (Volts)	Style Number of Part		
			Moving Element	Operation Indicator②	Varistor
1876 039	.75-0-.75	125 Vdc	**16B2456G11**	....	**183A122H01**
1878 175	.75-0-.75	250 Vdc	**16B2456G11**	....	**183A122H01**
1878 176	.75-0-.75	375 Vdc	**16B2456G11**	....	**183A122H01**
1961 087	.75-0-.75	500 Vdc	**16B2456G11**	....	**183A122H01**
288B857A13	.75-0-.75	160 Vdc	**16B2456G11**	....	**183A122H01**
288B857A14	.75-0-.75	80 Vdc	**16B2456G11**	....	**763A947H01**
288B857A15	.75-0-.75	250 Vdc	**16B2456G11**	....	**183A122H01**
288B857A16	.75-0-.75	600 Vdc	**16B2456G11**	**719B405G09**	**183A122H01**
288B857A17	.75-0-.75	440 Vdc	**16B2456G11**	....	**183A122H01**

② For Operation Indicator and Contactor Switch Parts refer to RPD 41-852A1.

① For Flexitest Case Parts refer to RPD 41-076A1.

Ordering Information

- Name the part and give its style number.
- Give the complete nameplate reading.
- State method of shipment desired.
- Send all orders or correspondence to nearest sales office of the company.

DT-3 Relay

Complete Relay Style Number	Range (Deg. C)	Rating	Style Number of Part				
			Moving Element	Diode and/or Resistor Assembly	Operation Indicator	Contactor Switch	Ext. Resistor/ Transformer
1876 041	60-120	20 Vdc	**719B248G13**	....	....	....	....
1876 042	60-120	125 Vdc	**719B248G13**	....	....	....	....
1876 043	60-120	250 Vdc	**719B248G13**	....	....	....	**290B664G66**
1878 627	0-30 Microns	....	**719B248G15**	....	....	....	....
1956 894	60-120	20 Vdc	**719B248G13**	....	....	....	....
1961 560	60-140	20 Vdc	**719B248G13**	....	....	....	....
1961 834	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
1962 311	50-190	240V 60 Hz	**719B248G13**	**184A448G01**	....	....	**290B067G02**
1962 384	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
1962 385	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
1962 748	50-190	240V 50 Hz	**719B248G13**	**184A448G01**	....	....	**290B067G02**
1962 811	60-120	48 Vdc	**719B248G13**	....	....	....	....
1962 961	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A26G10**	**290B067G01**
1963 031	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	....	....	**290B067G01**
1963 213	50-190	120V 50 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
1963 345	50-190	125 Vdc	**719B248G13**	**184A448G03**	....	**3490A30G09**	....
1963 526	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	**719B405G09**	....	**290B067G01**
1963 589	50-190	120V 50 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
1963 737	50-190	120V 50 Hz	**719B248G13**	**184A448G01**	**719B405G09**	....	**290B067G01**
1963 754	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	**719B405G09**	**3490A26G10**	**290B067G01**
1963 760	50-190	240V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G02**
1963 792	50-190	120V 50 Hz	**719B248G13**	**184A448G01**	**719B405G09**	**3490A30G09**	**290B067G01**
1963 798	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	**719B405G09**	**3490A30G09**	**290B067G01**
1963 900	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	**719B405G09**	**3490A22G10**	**290B067G01**
1963 901	50-190	240V 60 Hz	**719B248G13**	**184A448G01**	**719B405G09**	....	**290B067G02**
288B881A13	100-160	48 Vdc	**719B248G13**	....	....	....	....
288B881A14	100-160	20 Vdc	**719B248G13**	....	....	....	....
288B881A15	0-100	125 Vdc	**719B248G13**	....	**719B405G09**	....	....
288B881A24	50-190	240V 50 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G02**
288B881A26	50-190	240V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G02**
288B881A28	50-190	250 Vdc	**719B248G13**	**184A449G03**	....	**3490A30G09**	**290B664G58**
288B881A29	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	**719B405G09**	**3490A30G09**	**290B067G01**
288B881A30	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	**719B405G09**	**3490A30G09**	**290B067G01**
288B881A32	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	**719B405G09**	**3490A30G09**	**290B067G01**
288B881A33	50-190	240V 50 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G02**
288B881A34	50-190	120V 60 Hz	**719B248G15**	**184A448G04**	....	....	**290B067G06**
288B881A37	60-140	125 Vdc	**719B248G13**	....	**719B405G09**	**3490A30G09**	**185A273G13**
288B881A38	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	**719B405G14**	**3490A30G09**	**290B067G01**
718B856A19	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
718B856A20	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
718B856A21	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
718B856A22	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
718B856A23	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	**719B405G09**	....	**290B067G01**
718B856A24	50-190	120V 50 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
718B856A25	50-190	120V 50 Hz	**719B248G13**	**184A448G01**	....	**3490A22G10**	**290B067G01**
718B856A26	50-190	120V 50 Hz	**719B248G13**	**184A448G01**	**719B405G09**	....	**290B067G01**
718B856A27	50-190	125 Vdc	**719B248G13**	**184A449G03**	....	**3490A30G09**	....
718B856A28	50-190	120V 60 Hz	**719B248G13**	**184A448G01**	....	**3490A30G09**	**290B067G01**
718B856A30	60-120	120V 60 Hz	**719B248G13**	**184A448G07**	....	**3490A26G10**	**290B067G01**
718B886A31	0-100	125 Vdc	**719B248G13**	**184A449G08**	**719B405G09**	**3490A22G08**	....
774B048A09	50-190	120V 60 Hz	**719B248G15**	**184A448G04**	**719B405G09**	**3490A30G09**	**290B067G06**
774B048A10	100-160	120V 60 Hz	**719B248G15**	**184A448G05**	**719B405G09**	**3490A30G09**	**290B067G06**
774B048A11	50-190	120V 60 Hz	**719B248G15**	**184A448G04**	**719B405G09**	**3490A26G10**	**290B067G06**
774B048A12	50-190	120V 60 Hz	**719B248G15**	**184A448G04**	**719B405G09**	**3490A30G09**	**290B067G06**
774B048A14	50-190	120V 60 Hz	**719B248G15**	**184A448G04**	**719B405G09**	**3490A30G09**	**290B067G06**
774B048A15	50-190	240V 60 Hz	**719B248G15**	**184A448G04**	....	....	**290B067G11**
774B048A16	50-190	250 Vdc	**719B248G15**	**184A448G06**	....	....	....
774B048A17	50-190	120V 60 Hz	**719B248G15**	**184A448G04**	**719B405G09**	**3490A30G09**	**290B067G06**
774B048A25	50-190	120V 60 Hz	**719B248G15**	**1477B77G01**	**719B405G09**	**3490A30G09**	**290B067G09**
774B048A26	50-190	120V 60 Hz	**719B248G15**	**1477B77G01**	**719B405G09**	**3490A26G10**	**290B067G09**
774B048A27	50-190	120V 50 Hz	**719B248G15**	**1477B77G01**	**719B405G09**	**3490A30G09**	**290B067G09**
774B048A28	50-190	120V 60 Hz	**719B248G15**	**1477B77G01**	**719B405G09**	....	**290B067G09**
774B048A29	50-190	120V 60 Hz	**719B248G15**	**1477B77G01**	**719B405G09**	**3490A30G09**	**290B067G09**
774B048A30	50-190	120V 60 Hz	**719B248G15**	**1477B77G01**	**719B405G09**	**3490A30G09**	**290B067G09**
774B048A31	50-190	125 Vdc	**719B248G15**	**1477B77G02**	**719B405G09**	**3490A30G09**	....
774B048A32	50-190	120V 60 Hz	**719B248G15**	**1477B77G02**	**719B405G09**	....	**290B067G09**

D-3 Relay

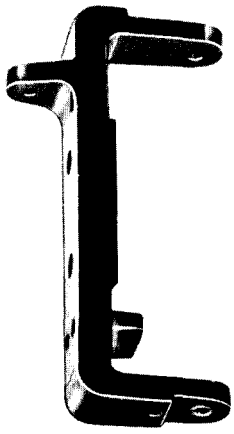
Complete Relay Style Number	Range	Rating (Volts)	Style Number of Part			
			Moving Element	Rectifier Assembly	Operation Indicator②	Contactor Switch●
1876 035	0-10 MV		**719B248G14**			
1876 036	0-200 MV		**719B248G14**			
1876 037	5-0-5 MV		**719B248G14**			
1876 038	100-0-100 MV		**719B248G14**			
1876 040	40-80 MV		**719B248G14**			
1878 152	5-0-5 MV	125 Vdc	**719B248G14**			**3490A22G08**③
1878 153	5-0-5 MV	250 Vdc	**719B248G14**			**3490A30G09**③
1878 292	5-0-5 MV	48 Vdc	**719B248G14**			**3490A22G08**③
1955 798	0-150 Vdc		**719B248G13**			
1955 867	0-50 MV		**719B248G14**			
1955 957	0-10 MV	300 Vdc	**719B248G14**			**3490A30G09**
1956 276	0-5 MA		**719B248G13**			
1956 890	.75-0-.75 MA		**719B248G15**			
1958 953	0-10 MV		**719B248G13**		**719B405G09**	
1961 205	50-0-50 MV		**719B248G14**			
1961 816	0-2 MA		**719B248G15**			
1962 314	0-50 MV	250 Vdc	**719B248G14**			**3490A30G09**
1962 660	100-0-100 MV	125 Vdc	**719B248G14**			**3490A22G08**
1962 913	150-0-150 MV		**719B248G14**			
1963 050	0-1 MA		**719B248G20**			
1963 163	0-50 MV		**719B248G14**			
1963 449	0-100 MV		**719B248G14**		**719B405G16**	**3490A22G08**
1963 462	0-10 MV		**719B248G14**		**719B405G09**	
1963 530	0-5 MA		**719B248G14**			
1963 553	150-0-150 V	125 Vdc	**719B248G14**			**3490A22G08**③
1963 698	0-6 Vac		**719B248G13**	**288B816G11**		
1963 723	50-0-50 Vdc	48 Vdc	**719B248G14**			**3490A22G08**
1963 724	150-0-150 V	48 Vdc	**719B248G14**			**3490A22G08**③
1963 881	100-0-100 MV		**719B248G14**			
1963 886	0-100 MV	125 Vdc	**719B248G14**			**3490A22G08**
1963 891	75-0-75 MV		**719B248G14**			
1485B80A10	0-50 MV		**719B248G14**		**719B405G09**	
1485B80A11	0-25 MV		**719B248G14**			**3490A22G08**
1485B80A12	0-100 MV		**719B248G14**		**719B405G09**	
288B868A13	0-100 MV	48 Vdc	**719B248G14**			**3490A22G08**③
288B868A14	0-10 MV	125 Vdc	**719B248G14**			**3490A22G08**③
288B868A15	0-10 MV	250 Vdc	**719B248G14**			**3490A30G09**③
288B868A16	0-100 MV	48 Vdc	**719B248G14**			**3490A22G08**③
288B868A17	0-100 MV	125 Vdc	**719B248G14**			**3490A22G08**③
288B868A18	0-100 MV	250 Vdc	**719B248G14**			**3490A30G09**③
288B868A19	0-200 MV	48 Vdc	**719B248G14**			**3490A22G08**③
288B868A20	0-200 MV	125 Vdc	**719B248G14**			**3490A22G08**③
288B868A21	0-200 MV	250 Vdc	**719B248G14**			**3490A30G09**③
288B868A22	0-150 V	48 Vdc	**719B248G14**			**3490A22G08**③
288B868A23	0-150 V	125 Vdc	**719B248G14**			**3490A22G08**③
288B868A24	0-150 V	250 Vdc	**719B248G14**			**3490A30G09**③
288B868A25	0-250 V	48 Vdc	**719B248G14**			**3490A22G08**③
288B868A26	0-250 V	125 Vdc	**719B248G14**			**3490A22G08**③
288B868A27	0-250 V	250 Vdc	**719B248G14**			**3490A30G09**③
288B868A28	0-75 V	48 Vdc	**719B248G14**			**3490A22G08**③
288B868A29	0-75 V	125 Vdc	**719B248G14**			**3490A22G08**③
288B868A30	0-75 V	250 Vdc	**719B248G14**			**3490A30G09**③
288B868A31	0-50 MV	125 Vdc	**719B248G14**			**3490A22G08**③
288B868A32	50-0-50 MV	250 Vdc	**719B248G14**			**3490A30G09**③
288B868A33	0-50 V	48 Vdc	**719B248G14**			**3490A22G08**③
288B868A34	100-0-100 MV	48 Vdc	**719B248G14**			**3490A22G08**③
288B868A37	150-0-150 MV	250 Vdc	**719B248G14**			**3490A30G09**③
288B868A38	0-300 MV	125 Vdc	**719B248G14**			**3490A22G08**③
288B869A14	20-40 Vdc		**719B248G14**			
288B869A15	75-150 Vdc		**719B248G14**			
288B869A16	0-150 MV		**719B248G14**			
288B869A17	0-100 MV		**719B248G14**			
288B869A19	100-0-100 MV		**719B248G16**			
288B869A22	100-0-100 MA		**719B248G17**			
288B869A23	40-80 Vdc		**719B248G14**			
288B869A24	0-4000 A		**719B248G14**			
288B869A27	0-500 Vdc		**719B248G14**			
288B869A30	0-6 MA		**719B248G13**	**1269 512**		
288B869A32	0-200%		**719B248G13**	**288B816G40**		
292B968A09	0-24 MV		**719B248G14**			**3490A22G08**
292B968A10	40-80 MV		**719B248G14**			**3490A26G10**
718B695A12	0-15 Vdc		**719B248G13**			
718B695A14	10-0-10 MV		**719B248G14**			
718B695A15	1.5-0-1.5 KA		**719B248G14**			
718B695A16	150-0-150 MV		**719B248G14**			
718B695A17	300-0-300 MV		**719B248G14**			
718B695A18	75-150 MV		**719B248G14**			
718B695A22	0-10 Vac		**719B248G13**	**288B816G11**		
718B695A23	0-4 Vac		**719B248G13**	**288B816G11**		
718B695A24	0-25 MV		**719B248G14**			
718B695A29	4-0-4 KA		**719B248G14**			
718B695A30	50-125 Vdc		**719B248G14**			
719B498A11	40-80 MV	48 Vdc	**719B248G14**			**3490A22G08**
719B498A12	0-7 KA	125 Vdc	**719B248G14**			**3490A22G08**
719B498A14	200-0-200 MV	250 Vdc	**719B248G14**			**3490A30G09**
719B498A15	0-250 Vdc	125 Vdc	**719B248G14**			**3490A22G08**
719B498A17	100-0-100 MV	250 Vdc	**719B248G14**			**3490A30G09**
719B498A18	20-100 MV	120 Vac	**719B248G14**			**3490A26G10**
719B498A19	0-100 A	125 Vdc	**719B248G14**			**3490A22G08**
719B498A20	0-100 MV	125 Vdc	**719B248G14**			**3490A22G08**
719B498A21	0-100 MV	48 Vdc	**719B248G14**			**3490A22G08**
719B498A23	50-0-50 Vdc	125 Vdc	**719B248G14**			**3490A22G08**

② For operation indicator and contactor switch parts refer to RPD 41-852A1.
③ Two (2) used.

DGF, D-3 and DT-3 Common Parts

Ref. No.	Description of Part	Style Number
1	Moulded Bracket for Moving Element	**821 717**
2	Insulation Plate for Top Bearing	**821 836**
3	Terminal (Short) for Spring Connector	**821 835**
4	Terminal (Long) for Spring Connector	**821 834**
5	Clamp for Spring	**273 011**④
6	Top Bearing Screw	**3499A37G12**
7	Spring Washer for Top and Bottom Bearing Screw	**323 918**③
8	Moving Element	**See Table***
9	Spring and Hub (Upper)	**880A987G10**③
10	Lower Bearing	**1537 737**
11	Bracket for Lower Spring	**821 838**
12	Moving Contact and Control Spring Assembly (Less Pointer)	**880A714G10***
13	Moving Contact on Spring	**1341 817**
14Δ	Pointer for Moving Contact and Control Spring Assembly (Red)	**32C0916G02**Ⓦ
14Δ	Pointer for Moving Contact and Control Spring Assembly (Black)	**39C0916G01**⑤
15	Nut for Bottom Bearing Screw	**821 837**
16	Bottom Bearing Screw	**3499A37G06**
17	Pointer and Stationary Contact (L.H.)	**718 727**
18	Pointer and Stationary Contact (R.H.)	**718 728**
19	Stationary Contact Screw (L.H. and R.H.)	**1201 813**③*
20	Nut for Stationary Contact Screw	**563 534**③
21	Resistor	**See Table**Ⓦ*
22	Contactor Switch	**See Table**②*
23	Operation Indicator	**See Table**②*
24	Varistor (For DGF Relays Only)	**See Table***
25Δ	Rectifier Assembly	**See Table***
26Δ	Diode and Resistor Board Assembly	**See Table***
27Δ	Resistor Board Assembly	**See Table***
28Δ	Transformer	**See Table***
29Δ	External Resistor	**See Table***
30Δ	Zener Diode	**188A302H07**Ⓦ*

Note: Parts indented are included in the part under which they are indented.
② For operation indicator and contactor switch parts refer to RPD 41-852A1.
③ Two (2) used.
④ Three (3) used.
⑤ Used only in Relay Style 288B881A17.
Ⓦ When used.
Δ Not illustrated.
* Recommended for stock.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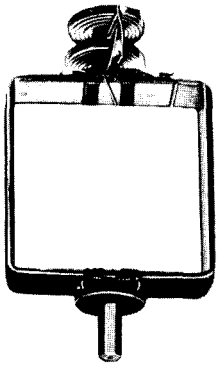
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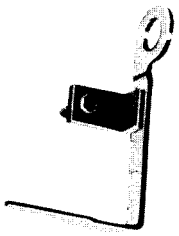
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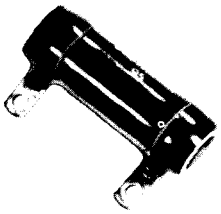
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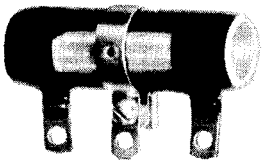
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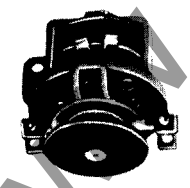
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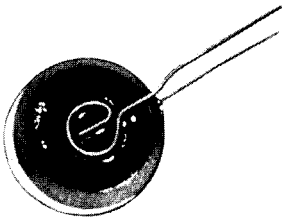
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Resistor Table

Description	Style Number
2 Ohms Spool Adj.	**1276 960**
8 Ohms Spool Adj.	**1276 966**
8.5 Ohms Spool Adj.	**1333 264**
10 Ohms Spool Adj.	**1276 967**
11 Ohms Spool Fixed	**306 313**
12.5 Ohms Spool Adj.	**1338 657**
12.887 Ohms Spool Fixed	**1270 598**
14.05 Ohms Spool Fixed	**11D9476G24**
16 Ohms Spool Adj.	**1276 969**
20 Ohms Spool Adj.	**1276 970**
75 Ohms 2 Inch Fixed	**1267 270**
75 Ohms 2 Inch Adj.	**05D1327H62**
85 Ohms 2 Inch Fixed	**1201 005**
95 Ohms 2 Inch Fixed	**1878 234**
100 Ohms Spool Adj.	**1276 647**
150 Ohms 2 Inch Fixed	**1267 272**
200 Ohms 2 Inch Fixed	**1202 586**
250 Ohms 2 Inch Fixed	**1205 216**
250 Ohms Spool Adj.	**1339 324**
325 Ohms 3.5 Inch Fixed	**182A915H01**
500 Ohms 2 Inch Adj.	**1334 634**
600 Ohms 2 Inch Fixed	**1267 283**
600 Ohms 2 Inch Adj.	**1875 676**
750 Ohms 2 Inch Fixed	**1267 285**
1000 Ohms 3.5 Inch Adj.	**1730 869**
1060 Ohms 2 Inch Fixed	**1267 289**
1180 Ohms 2 Inch Fixed	**1202 493**
1500 Ohms 2 Inch Fixed	**1267 293**
1500 Ohms 3.5 Inch Adj.	**1730 877**
1500 Ohms 2 Inch Adj.	**05D1328H31**
1800 Ohms 2 Inch Fixed	**1201 004**
1800 Ohms 2 Inch Adj.	**05D1328H34**
2240 Ohms 2 Inch Fixed	**1267 297**
2500 Ohms 3.5 Inch Adj.	**1341 654**
3000 Ohms 2 Inch Fixed	**1202 954**
3550 Ohms 2 Inch Fixed	**1208 342**
4000 Ohms 2 Inch Fixed	**1202 591**
4750 Ohms 2 Inch Fixed	**1267 303**
5000 Ohms 2 Inch Fixed	**1205 214**
6300 Ohms 2 Inch Fixed	**1267 306**
8000 Ohms 2 Inch Fixed	**1205 219**
9500 Ohms 2 Inch Fixed	**1267 312**
10000 Ohms 2 Inch Fixed	**1205 215**
10600 Ohms 2 Inch Fixed	**1267 313**
11200 Ohms 2 Inch Fixed	**1267 314**
12000 Ohms 2 Inch Fixed	**04D1298H78**
15000 Ohms 3.5 Inch Adj.	**1730 913**
17000 Ohms 2 Inch Adj.	**05D1328H75**
23000 Ohms 3.5 Inch Tapped	**184A064H01**
27000 Ohms 2 Inch Fixed	**184A643H06**
28000 Ohms 3.5 Inch Fixed	**1955 691**
40000 Ohms 2 Inch Fixed	**04D1298H80**
45000 Ohms 3.5 Inch Tapped	**184A064H02**

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