



ClaroChip Digital Potentiometers

- 128 or 256 Step Digitally Controlled Electronic Trimming Pot (Differential Non-Linearity ±0.5 LSB)
- Serial or Up-Down Interface
- V-Out Value in Non-Volatile Memory
- Unity Gain Op Amp Drives Up to 1 mA
- Simple Operation: Up-Down Counter Style or Serial Interface
- "Clickless" Transitions Between Steps
- Operation from +2.7 V to +5.5 V
- ISO 9001 Certified
- Higher Resolution
- Lower Noise
- Lower Supply Current

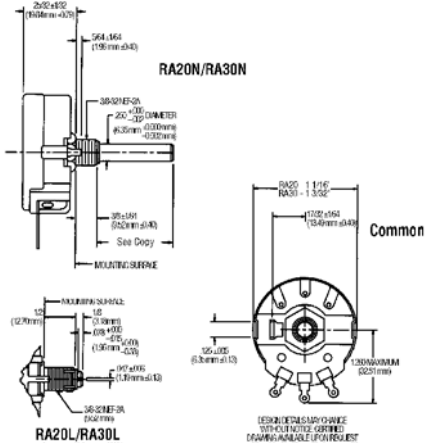
The new ClaroChip digital trimmer DACs (digital-to-analog converters) are designed to replace mechanical trimmers. They provide an ideal interface for automatic test equipment for quick and consistent calibration of even the most sophisticated systems allowing the settings to be stored in memory. Featuring pin-compatible performance upgrade for other industry nonvolatile potentiometers and offering higher resolution and "clickless" transitions of Vout. Used in power supply adjustment, self-calibrating equipment, motor-speed control, LCD contrast and backlighting adjustment, audio control for volume and tone, and amplifier gain and offset trimming.

Stock No.	Mfr.'s Type	No. of Pots	Resolution in Bits	Termination	Input Voltage Range	VDD Supply	EACH			
							1-9	10-24	25-49	50-99
753-9903	CC9317P	1	128	PDIP	0 to VDD	2.7-5.5	2.04	1.88	1.80	1.72
753-9902	CC9317S	1	128	SOIC	1 to VDD	2.7-5.5	2.04	1.88	1.80	1.72
753-9901	CC9318P	1	256	PDIP	2 to VDD	2.7-5.5	2.38	2.21	2.12	2.02
753-9900	CC9318S	1	256	SOIC	3 to VDD	2.7-5.5	2.38	2.21	2.12	2.02
753-9905	CC9418P	4	256	PDIP	4 to VDD	2.7-5.5	6.76	6.37	6.12	5.85
753-9904	CC9418S	4	256	SOIC	5 to VDD	2.7-5.5	6.76	6.37	6.12	5.85

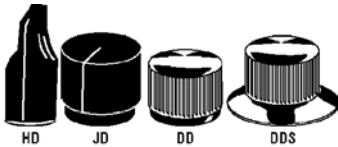
Series RA Wirewound Potentiometers

The RA30 is the Military 4-watt version of the 58C Series. The RA20 Series is a 2-watt potentiometer and meets strict military standard MIL-R-19. The RA30NASD Series has 1/4" dia., 7/8" long FMS slotted shaft with 3/8" long bushing with 3/8-32 NEF-2A threads. The RA30LASB Series has 1/4" dia., 5/8" long FMS screwdriver slotted shaft with 1/2" long split locking bushing with 3/8-32 NEF-2A threads. Hardware not supplied. The RA20NASD Series has 1/4" dia., 7/8" long FMS slotted shaft with 3/8" long bushing with 3/8-32 NEF-2A threads. The RA20LASB Series has 1/4" dia., 3/8" long FMS screwdriver slotted shaft with 1/2" long split locking bushing with 3/8-32 NEF-2A threads. **Specifications. Operating Temperature:** -55°C to 105°C. **Tolerance:** 10%. **Standard Effective Rotation:** 280°. **Electrical Rotation:** 300°. Hardware not supplied.

Stock No.	Mfr.'s Type	Ohms	EACH		
			1-9	10-24	25-49
753-0376	RA20NASD102A	1 K	31.24	29.13	25.34
753-0378	RA20NASD202A	2 K	31.24	29.13	25.34
753-0380	RA20NASD252A	2.5 K	31.24	29.13	25.34
753-0382	RA20NASD502A	5 K	31.24	29.13	25.34
753-0384	RA20NASD103A	10 K	31.24	29.13	25.34
753-0396	RA20LASB501A	500	30.08	28.07	22.46
753-0404	RA20LASB502A	5 K	33.87	31.59	27.48
753-0406	RA20LASB103A	10 K	33.87	31.59	27.48
753-0416	RA30NASD100A	10	44.12	42.71	41.21
753-0420	RA30NASD500A	50	44.12	42.71	41.21
753-0422	RA30NASD101A	100	44.12	42.71	41.21
753-0424	RA30NASD501A	500	44.12	42.71	41.21
753-0426	RA30NASD102A	1 K	44.12	42.71	41.21
753-0428	RA30NASD202A	2 K	44.12	42.71	41.21
753-0432	RA30NASD502A	5 K	44.12	42.71	41.21
753-0434	RA30NASD103A	10 K	44.12	42.71	41.21



Claroknobs



The Claroknob is a high quality knob fabricated from machined aluminum. Manufactured to enhance products, the Claroknob comes in a variety of styles for your requirements. HD series is a control knob with a sawcut indicator. JD series is a straight knurl with top and side indicator. DD series is a straight knurl with side indicator. The DDS series is a straight knurl with arrow on skirt. Stainless-steel setscrews are standard. One setscrew for HD series and two setscrews for JD, DD, DDS series. For use with 1/8" or 1/4" diameter shafts. Anodized in clear of black, gloss or matte finishes. In the Mfr.'s Type: 1 = Clear; 2 = Black; 3 = Matte Clear; 4 = Matte Black; 5 = 1/4" Shaft; 6 = 1/8" Shaft.

Stock No.	Mfr.'s Type	Series	Knob Diameter	Overall Height	Indicator	EACH			
						1-9	10-24	25-49	50-99
753-0651	HD-50-1-5	HD	0.500	1.000	Side Sawcut	4.51	4.17	3.94	3.76
753-0652	HD-50-2-5	HD	0.500	1.000	Side Sawcut	4.51	4.17	3.94	3.76
753-0661	HD-50-1-6	HD	0.500	1.000	Side Sawcut	4.51	4.17	3.94	3.76
753-0663	HD-50-3-6	HD	0.500	1.000	Side Sawcut	4.51	4.17	3.94	3.76
753-0751	HD-75-1-5	HD	0.750	1.000	Side Sawcut	5.88	5.25	4.95	4.74
753-0752	HD-75-2-5	HD	0.750	1.000	Side Sawcut	5.71	5.10	4.81	4.60
753-0754	HD-75-4-5	HD	0.750	1.000	Side Sawcut	5.71	5.10	4.81	4.60
753-0761	HD-75-1-6	HD	0.750	1.000	Side Sawcut	5.71	5.10	4.81	4.60
753-0763	HD-75-3-6	HD	0.750	1.000	Side Sawcut	5.71	5.10	4.81	4.60
753-0764	HD-75-4-6	HD	0.750	1.000	Side Sawcut	5.71	5.10	4.81	4.60
753-0851	HD-90-1-5	HD	0.925	1.000	Side Sawcut	6.05	5.70	5.38	5.13
753-0852	HD-90-2-5	HD	0.925	1.000	Side Sawcut	6.05	5.70	5.38	5.13
753-0853	HD-90-3-5	HD	0.925	1.000	Side Sawcut	6.05	5.70	5.38	5.13
753-0854	HD-90-4-5	HD	0.925	1.000	Side Sawcut	6.05	5.70	5.38	5.13
753-0863	HD-90-3-6	HD	0.925	1.000	Side Sawcut	6.05	5.70	5.38	5.13
753-0951	JD-50-1-5	JD	0.500	0.625	Top and Side	3.82	3.52	3.32	3.18
753-0952	JD-50-2-5	JD	0.500	0.625	Top and Side	3.71	3.42	3.23	3.15
753-0954	JD-50-4-5	JD	0.500	0.625	Top and Side	3.71	3.42	3.23	3.15
753-0961	JD-50-1-6	JD	0.500	0.625	Top and Side	3.82	3.52	3.32	3.18
753-0962	JD-50-2-6	JD	0.500	0.625	Top and Side	3.82	3.52	3.32	3.18
753-0963	JD-50-3-6	JD	0.500	0.625	Top and Side	3.71	3.42	3.23	3.09
753-0964	JD-50-4-6	JD	0.500	0.625	Top and Side	3.82	3.52	3.32	3.18
753-1551	JD-75-1-5	JD	0.750	0.625	Top and Side	3.94	3.65	3.44	3.28
753-1552	JD-75-2-5	JD	0.750	0.625	Top and Side	4.07	3.77	3.55	3.38

Stock No.	Mfr.'s Type	Series	Knob Diameter	Overall Height	Indicator	EACH			
						1-9	10-24	25-49	50-99
753-1553	JD-75-3-5	JD	0.750	0.625	Top and Side	4.07	3.77	3.55	3.38
753-1554	JD-75-4-5	JD	0.750	0.625	Top and Side	4.07	3.77	3.55	3.38
753-1561	JD-75-1-6	JD	0.750	0.625	Top and Side	4.07	3.77	3.55	3.38
753-1562	JD-75-2-6	JD	0.750	0.625	Top and Side	4.07	3.77	3.55	3.38
753-1563	JD-75-3-6	JD	0.750	0.625	Top and Side	3.94	3.65	3.44	3.28
753-1564	JD-75-4-6	JD	0.750	0.625	Top and Side	4.07	3.77	3.55	3.38
753-1651	JD-90-1-5	JD	0.925	0.625	Top and Side	4.72	4.35	4.10	3.93
753-1652	JD-90-2-5	JD	0.925	0.625	Top and Side	4.72	4.35	4.10	3.93
753-1653	JD-90-3-5	JD	0.925	0.625	Top and Side	4.58	4.22	3.98	3.81
753-1654	JD-90-4-5	JD	0.925	0.625	Top and Side	4.72	4.35	4.10	3.93
753-1661	JD-90-1-6	JD	0.925	0.625	Top and Side	4.72	4.35	4.10	3.93
753-1662	JD-90-2-6	JD	0.925	0.625	Top and Side	4.72	4.35	4.10	3.93
753-1663	JD-90-3-6	JD	0.925	0.625	Top and Side	4.58	4.22	3.98	3.81
753-1664	JD-90-4-6	JD	0.925	0.625	Top and Side	4.58	4.22	3.98	3.81
753-1751	DD-50-1-5	DD	0.500	0.625	Side	3.82	3.52	3.32	3.18
753-1752	DD-50-2-5	DD	0.500	0.625	Side	3.71	3.42	3.23	3.09
753-1753	DD-50-3-5	DD	0.500	0.625	Side	3.71	3.42	3.23	3.09
753-1754	DD-50-4-5	DD	0.500	0.625	Side	3.71	3.42	3.23	3.09
753-1761	DD-50-1-6	DD	0.500	0.625	Side	3.82	3.52	3.32	3.18
753-1762	DD-50-2-6	DD	0.500	0.625	Side	3.82	3.52	3.32	3.18
753-1763	DD-50-3-6	DD	0.500	0.625	Side	3.82	3.52	3.32	3.18
753-1764	DD-50-4-6	DD	0.500	0.625	Side	3.82	3.52	3.32	3.18
753-1851	DD-75-1-5	DD	0.750	0.625	Side	4.07	3.77	3.55	3.38
753-1852	DD-75-2-5	DD	0.750	0.625	Side	3.94	3.65	3.44	3.28
753-1853	DD-75-3-5	DD	0.750	0.625	Side	4.07	3.77	3.55	3.38
753-1854	DD-75-4-5	DD	0.750	0.625	Side	3.94	3.65	3.44	3.28
753-1861	DD-75-1-6	DD	0.750	0.625	Side	4.07	3.77	3.55	3.38
753-1862	DD-75-2-6	DD	0.750	0.625	Side	4.03	3.76	3.55	3.38
753-1863	DD-75-3-6	DD	0.750	0.625	Side	4.03	3.76	3.55	3.38
753-1864	DD-75-4-6	DD	0.750	0.625	Side	4.03	3.76	3.55	3.38
753-1936	DD-90-3-6	DD	0.925	0.625	Side	4.72	4.35	4.10	3.93
753-1951	DD-90-1-5	DD	0.925	0.625	Side	4.72	4.35	4.10	3.93
753-1952	DD-90-2-5	DD	0.925	0.625	Side	4.72	4.35	4.10	3.93
753-1953	DD-90-3-5	DD	0.925	0.625	Side	4.58	4.22	3.98	3.81
753-1954	DD-90-4-5	DD	0.925	0.625	Side	4.72	4.35	4.10	3.93
753-1961	DD-90-1-6	DD	0.925	0.625	Side	4.58	4.22	3.98	3.81
753-1962	DD-90-2-6	DD	0.925	0.625	Side	4.72	4.35	4.10	3.93
753-1963	DD-90-3-6	DD	0.925	0.625	Side	4.58	4.22	3.98	3.81
753-1964	DD-90-4-6	DD	0.925	0.625	Side	4.72	4.35	4.10	3.93
753-2051	DDS-50-1-5	DDS	0.500	0.625	Side and Skirt	5.17	4.79	4.51	4.31
753-2052	DDS-50-2-5	DDS	0.500	0.625	Side and Skirt	5.17	4.79	4.51	4.29
753-2053	DDS-50-3-5	DDS	0.500	0.625	Side and Skirt	5.03	4.66	4.39	4.19
753-2054	DDS-50-4-5	DDS	0.500	0.625	Side and Skirt	5.42	4.75	4.48	4.28
753-2061	DDS-50-1-6	DDS	0.500	0.625	Side and Skirt	5.03	4.66	4.39	4.19
753-2062	DDS-50-2-6	DDS	0.500	0.625	Side and Skirt	5.17	4.79	4.51	4.31
753-2063	DDS-50-3-6	DDS	0.500	0.625	Side and Skirt	5.03	4.66	4.39	4.19
753-2064	DDS-50-4-6	DDS	0.500	0.625	Side and Skirt	5.03	4.66	4.39	4.19
753-2351	DDS-75-1-5	DDS	0.750	0.625	Side and Skirt	5.45	5.04	4.75	4.53
753-2352	DDS-75-2-5	DDS	0.750	0.625	Side and Skirt	5.45	5.04	4.75	4.53
753-2353	DDS-75-3-5	DDS	0.750	0.625	Side and Skirt	5.45	5.04	4.65	4.53
753-2354	DDS-75-4-5	DDS	0.750	0.625	Side and Skirt	5.45	5.04	4.65	4.53
753-2361	DDS-75-1-6	DDS	0.750	0.625	Side and Skirt	5.45	5.04	4.75	4.53
753-2451	DDS-90-1-5	DDS	0.925	0.625	Side and Skirt	5.81	5.47	5.16	4.93
753-2452	DDS-90-2-5	DDS	0.925	0.625	Side and Skirt	5.63	5.30	5.00	4.78
753-2453	DDS-90-3-5	DDS	0.925	0.625	Side and Skirt	5.63	5.30	5.00	4.78
753-2454	DDS-90-4-5	DDS	0.925	0.625	Side and Skirt	5.81	5.47	5.16	4.93