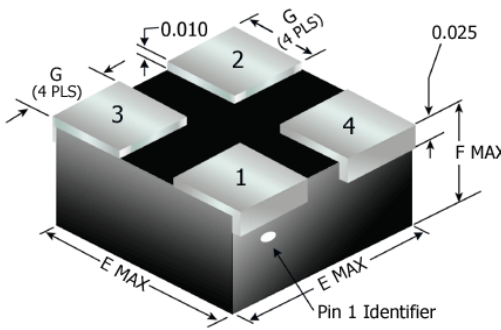


93000 Series

Power Inductors

MIL-PRF-27

QPL Approved

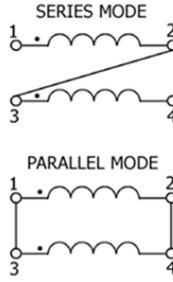
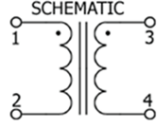


Marking (on top of the case)

(Dash Number)

22558

93xxx



Physical Parameters				Tape & Reel (additional charge)	
Size	E Max.	F Max.	G	Small Reel (Qty)	Large Reel (Qty)
A	0.260 (6.60)	0.230 (5.84)	0.085 ± .010 (1.90 to 2.42)	300	1000
B	0.410 (10.41)	0.230 (5.84)	0.135 ± .010 (3.17 to 3.69)	200	650
C	0.410 (10.41)	0.310 (7.87)	0.135 ± .010 (3.17 to 3.69)	200	650
D	0.535 (13.59)	0.310 (7.87)	0.200 ± .010 (4.82 to 5.34)	125	300

ALL DIMENSIONS ARE IN INCHES, () MM.

FEATURES

- Leadless device for minimum footprint
- Lead Pad Coplanarity Max: 0.002 inches; 0.05 mm
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials

SPECIFICATIONS

- Case: Grade 5, encapsulated
- Terminals: tin-lead plated phosphor bronze
- Weight: 1.25 ounces, maximum
- Altitude: 70,000 feet, maximum
- Operating temperature range: -55°C to 125°C
- Resistance to soldering heat: MIL-STD-202, method 210 test condition B
- Bond Strength: MIL-STD-883, method 2011, test condition F (Force: 2 pounds)
- Insulation Resistance: MIL-STD-202, method 302, 1,000 megohms minimum at 100 V dc
- Terminal strength: MIL-STD-202, method 211, test condition A, 2 lbs
- Dielectric withstanding voltage (at sea level): 200 volts rms
- Vibration (high frequency): MIL-STD-202, method 204, test condition D
- Moisture Resistance: MIL-STD-202, method 106
- Temperature rise 35°C max over ambient temperature of 90°C
- Terminals meet solderability per MIL-STD-202, Method 208
- Inductance measured at 0.1 Vrms, 10 kHz, 0 DC current
- Space Application: Available to MIL-STD-981

Dash Number	C/ACM P/N	Series			Parallel			Size	Power Rating (mW)
		Inductance ±10 Percent (mH)	Rated DC Current (mA)	DC Resistance Max (Ω)	Inductance ±10 percent (mH)	Rated DC Current (mA)	DC Resistance Max (Ω)		
93027-001	93001	0.100	300	1.60	0.025	600	0.400	A	125
93027-002	93002	0.100	600	0.96	0.025	1200	0.240	B	250
93027-003	93003	0.100	780	0.37	0.025	1560	0.093	C	300
93027-004	93004	0.100	1350	0.21	0.025	2700	0.053	D	450
93027-005	93005	0.250	200	3.11	0.062	400	0.778	A	125
93027-006	93006	0.250	400	1.98	0.062	800	0.495	B	250
93027-007	93007	0.250	530	0.82	0.062	1060	0.205	C	300
93027-008	93008	0.250	930	0.41	0.062	1860	0.103	D	450
93027-009	93009	0.500	150	6.14	0.125	300	1.535	A	125
93027-010	93010	0.500	300	3.35	0.125	600	0.838	B	250
93027-011	93011	0.500	380	1.62	0.125	760	0.405	C	300
93027-012	93012	0.500	660	0.82	0.125	1320	0.205	D	450
93027-013	93013	0.750	120	9.45	0.187	240	2.363	A	125
93027-014	93014	0.750	250	5.20	0.187	500	1.300	B	250
93027-015	93015	0.750	310	2.50	0.187	620	0.625	C	300
93027-016	93016	0.750	540	1.25	0.187	1080	0.313	D	450
93027-017	93017	1.000	95	12.85	0.250	190	3.213	A	125
93027-018	93018	1.000	200	6.90	0.250	400	1.725	B	250
93027-019	93019	1.000	270	3.37	0.250	540	0.843	C	300
93027-020	93020	1.000	470	1.87	0.250	940	0.468	D	450
93027-021	93021	2.000	75	25.60	0.500	150	6.400	A	125
93027-022	93022	2.000	150	12.20	0.500	300	3.050	B	250
93027-023	93023	2.000	190	6.75	0.500	380	1.690	C	300
93027-024	93024	2.000	330	3.62	0.500	660	0.910	D	450
93027-025	93025	3.000	60	38.40	0.750	120	9.600	A	125
93027-026	93026	3.000	120	18.30	0.750	240	4.580	B	250
93027-027	93027	3.000	160	10.12	0.750	320	2.530	C	300
93027-028	93028	3.000	270	5.50	0.750	540	1.380	D	450
93027-029	93029	5.000	45	64.00	1.250	90	16.000	A	125
93027-030	93030	5.000	90	30.40	1.250	180	7.600	B	250
93027-031	93031	5.000	120	16.87	1.250	240	4.220	C	300
93027-032	93032	5.000	210	9.12	1.250	420	2.280	D	450
93027-033	93033	7.500	30	96.00	1.875	60	24.000	A	125
93027-034	93034	7.500	70	46.00	1.875	140	11.500	B	250
93027-035	93035	7.500	100	25.37	1.875	200	6.350	C	300
93027-036	93036	7.500	170	13.75	1.875	340	3.440	D	450
93027-037	93037	10.000	20	128.00	2.500	40	32.000	A	125
93027-038	93038	10.000	50	61.00	2.500	100	15.250	B	250
93027-039	93039	10.000	80	33.75	2.500	160	8.440	C	300
93027-040	93040	10.000	140	18.25	2.500	280	4.570	D	450



Coast / Advanced Chip Magnetics

4225 Spencer Street, Torrance CA 90503 · Phone 310-370-8188 · Fax 310-370-8388

Web: www.coastacm.com · Email: sales@coastacm.com