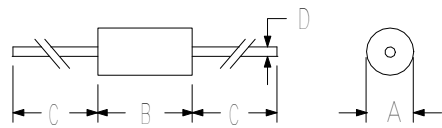


ES1032-1537-700	12	BY	JC	CK		INCHES	MILLIMETERS	
	DATE	9/27/94	4/06/95	A	.146 - .166	3.71 - 4.22		
	ECO	94237	95062	B	.365 - .385	9.27 - 9.78		
	REV	11	12	C	1.32 - 1.56	33.53 - 39.62		
				D	.023 - .027	.58 - .69	MARKING: SEE NOTE 3	


BASIC RATINGS

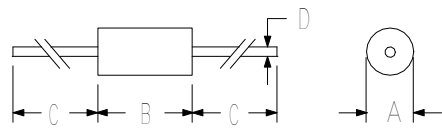
OPERATING TEMPERATURE -55°C TO +125°C
 AMBIENT TEMPERATURE : 90°C MAX.
 TEMPERATURE RISE : 35°C MAX.
 POWER DISSIPATION 0.20 WATTS MAX.
 INSULATION RESISTANCE @500VDC 1K MEGOHM MIN.

DIELECTRIC WITHSTANDING VOLTAGE @ 60HZ
 @ SEA LEVEL (14.7 PSIA) 1000 VRMS MIN.
 TERMINAL PULL: 5 LBS. MIN.
 PERCENT COUPLING:
 IRON SLEEVE: 4% MAX.
 FERRITE SLEEVE: 2% MAX.

ELECTRICAL CHARACTERISTICS (INITIAL) @ 25°C.


DELEVAN PART NUMBER	NOMINAL INDUCTANCE UH	L & Q TEST FREQUENCY MHZ	Q MIN.	MIN SELF RESONANT FREQUENCY MHZ	MAX. DC RESISTANCE OHMS	RATED CURRENT mA DC	INCREMENTAL CURRENT mA DC	mA
1537-770K	.100	25	45	250	.019	2760		--
1537-771K	.120	25	45	250	.023	2500		--
1537-701K	.150	25	45	250	.028	2270		--
1537-772K	.180	25	45	250	.032	2120		--
1537-702K	.220	25	45	250	.039	1920		--
1537-773K	.270	25	45	250	.048	1730		--
1537-703K	.330	25	45	250	.054	1630		--
1537-774K	.390	25	45	250	.058	1580		--
1537-704K	.470	25	45	235	.062	1530		--
1537-705K	.560	25	45	210	.088	1280		--
1537-706K	.680	25	40	190	.093	1240		--
1537-707K	.820	25	40	180	.120	1100		--
1537-708K	1.00	25	40	150	.150	980		--
1537-709K	1.20	7.9	45	140	.11	1145		445
1537-710K	1.50	7.9	45	125	.18	895		400
1537-711K	1.80	7.9	45	114	.19	871		365

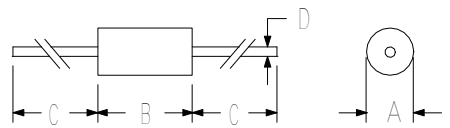
MATERIAL:				 API DELEVAN AMERICAN PRECISION IND, INC. 270 QUAKER ROAD EAST AURORA, N.Y. 14052 CAGE CODE: 99800		
-770K to -713K	POWDERED IRON CORE & SLEEVE	DRWN	R. SCHULER			4/18/73
-714K to -744K	FERRITE CORE & SLEEVE	PURCH.				
		ENG'R'G.	J. SMITH			5/28/64
		QUAL.			TITLE: ENGINEERING SPECIFICATION COIL, FIXED, MOLDED, SHIELDED	
		MANUF.			DWG. NO. ES-1032-1537-700	
SCALE NONE	WGT. .9 GM MAX	NEXT ASSY. NONE		A	SHEET 1 OF 4	REV. 12

ES1032-1537-700	12	BY	JC	CK		INCHES	MILLIMETERS	
	DATE	9/27/94	4/06/95	A	.146 - .166	3.71 - 4.22		
	ECO	94237	95062	B	.365 - .385	9.27 - 9.78		
	REV	11	12	C	1.32 - 1.56	33.53 - 39.62		
				D	.023 - .027	.58 - .69	MARKING: SEE NOTE 3	

ELECTRICAL CHARACTERISTICS (INITIAL) @ 25°C.

DELEVAN PART NUMBER	NOMINAL INDUCTANCE UH	L & Q TEST FREQUENCY MHZ	Q MIN.	MIN SELF RESONANT FREQUENCY MHZ	MAX. DC RESISTANCE OHMS	CURRENT mA DC	mA
1537-712K	2.2	7.9	45	103	.23	742	355
1537-713K	2.7	7.9	50	94	.38	616	275
1537-714K	3.3	7.9	50	85	.45	566	210
1537-715K	3.9	7.9	50	79	.48	548	200
1537-716K	4.7	7.9	50	72	.57	503	185
1537-717K	5.6	7.9	50	67	.60	490	165
1537-718K	6.8	7.9	50	62	.70	454	150
1537-719K	8.2	7.9	50	58	.80	425	135
1537-720K	10	7.9	50	55	1.40	321	125
1537-721K	12	2.5	45	50	.66	470	110
1537-722K	15	2.5	45	45	.75	440	100
1537-723K	18	2.5	45	40	.85	410	93
1537-724K	22	2.5	45	36	.95	390	87
1537-725K	27	2.5	45	32	1.1	360	73
1537-726K	33	2.5	50	29	1.7	291	68
1537-727K	39	2.5	55	26	2.1	262	59
1537-728K	47	2.5	55	23	2.4	245	55
1537-729K	56	2.5	60	20	2.7	231	50
1537-730K	68	2.5	60	18	3.0	220	44
1537-731K	82	2.5	60	15	3.7	198	40
1537-732K	100	2.5	50	11	3.8	195	39
1537-733K	120	.79	55	10	3.3	209	31
1537-734K	150	.79	55	9.3	3.7	197	28
1537-735K	180	.79	55	9.0	4.0	190	25


MATERIAL: -770K to -713K POWDERED IRON CORE & SLEEVE -714K to -744K FERRITE CORE & SLEEVE	DRWN	R. SCHULER	4/18/73	 API DELEVAN AMERICAN PRECISION IND, INC. 270 QUAKER ROAD EAST AURORA, N.Y. 14052 CAGE CODE: 99800
	PURCH.			
ENG'R'G.	J. SMITH	5/28/64		
QUAL.				
	MANUF.			TITLE: ENGINEERING SPECIFICATION COIL, FIXED, MOLDED, SHIELDED
	NEXT ASSY. NONE		A	DWG. NO. ES-1032-1537-700
SCALE NONE	WGT. .9 GM MAX			SHEET OF 4

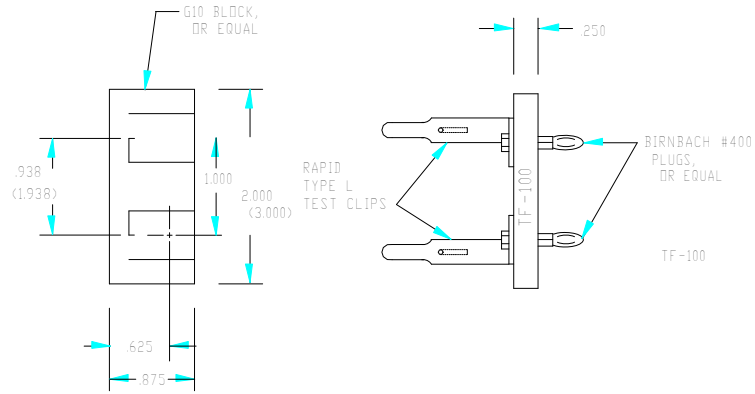
ES1032-1537-700	12	BY	JC	CK			INCHES	MILLIMETERS		
	DATE	9/27/94	4/06/95	A	.146 - .166	3.71 - 4.22	B	.365 - .385		9.27 - 9.78
	ECO	94237	95062	C	1.32 - 1.56	33.53 - 39.62	D	.023 - .027		.58 - .69
	REV	11	12							

MARKING: SEE NOTE 3

ELECTRICAL CHARACTERISTICS (INITIAL) @ 25°C.

DELEVAN PART NUMBER	NOMINAL INDUCTANCE UH	L & Q TEST FREQUENCY MHZ	Q MIN.	MIN SELF RESONANT FREQUENCY MHZ	MAX. DC RESISTANCE OHMS	CURRENT mA DC	mA
1537-736K	220	.79	55	8.0	4.4	181	23
1537-737K	270	.79	55	7.	5.6	160	21
1537-738K	330	.79	55	7.0	6.2	152	19
1537-739K	390	.79	55	6.0	6.8	145	18
1537-740K	470	.79	60	5.8	9.3	124	16
1537-741K	560	.79	60	5.5	10.0	120	15
1537-742K	680	.79	60	5.0	11.0	114	14
1537-743K	820	.79	60	4.3	15.0	98	13
1537-744K	1000	.79	60	4.2	21.0	83	12

MATERIAL: -770K to -713K POWDERED IRON CORE & SLEEVE -714K to -744K FERRITE CORE & SLEEVE	3			 API DELEVAN AMERICAN PRECISION IND, INC. 270 QUAKER ROAD EAST AURORA, N.Y. 14052 CAGE CODE: 99800
	DRWN	R. SCHULER	4/18/73	
	PURCH.			TITLE: ENGINEERING SPECIFICATION COIL, FIXED, MOLDED, SHIELDED
	ENG'R'G.	J. SMITH	5/28/64	
	QUAL.			DWG. NO. ES-1032-1537-700
	MANUF.			
	NEXT ASSY.	NONE	A	SHEET OF 4
SCALE NONE	WGT. .9 GM MAX			REV. 12



NOTES:

- INDUCTANCE VALUES ARE EFFECTIVE INDUCTANCE AS INDICATED ON AN HP 260A Q METER WHEN TESTED IN TF-100. INDUCTANCES OF 10 μH OR LESS ARE CORRECTED FOR RESIDUAL METER AND TEST FIXTURE INDUCTANCE WHICH IS TYPICALLY .064 μH .
- LEAD MATERIAL IS COPPER PER MIL-STD-1276, TYPE C; WITH A .0003" MINIMUM SOLDER COAT CONSISTING OF 60% MINIMUM TIN AND 40% MAX. LEAD.
- PARTS ARE TO BE LASER MARKED AS FOLLOWS:

WHERE: "XX" DESIGNATES INDUCTANCE VALUE	DELEVAN
"*" DESIGNATES PERCENT TOLERANCE	XX μH
"YYWWL" DESIGNATES DATE CODE & LOT	\pm *%
SYMBOL PER 501-004.016. DATE CODE SHALL BE PRINTED ON OPPOSITE SIDE OF PART.	YYWWL
- THE POWER RATING IS THE WATTAGE DISSIPATED BY THE COIL WHEN THE RATED CURRENT PRODUCES THE MAXIMUM TEMPERATURE RISE AT THE SPECIFIED AMBIENT TEMPERATURE.
- INCREMENTAL CURRENT IS THE D.C. CURRENT REQUIRED TO DECREASE THE INDUCTANCE A MAXIMUM OF 5%.
- DIMENSIONS GIVEN IN MILLIMETERS (TO THE NEAREST .01 mm), ARE BASED UPON 25.4 mm = 1 in.

TITLE: ENGINEERING SPECIFICATION
COIL, FIXED, MOLDED, SHIELDED

DWG. NO. ES-1032-1537-700

SHEET 4 OF 4

REV. 12

A