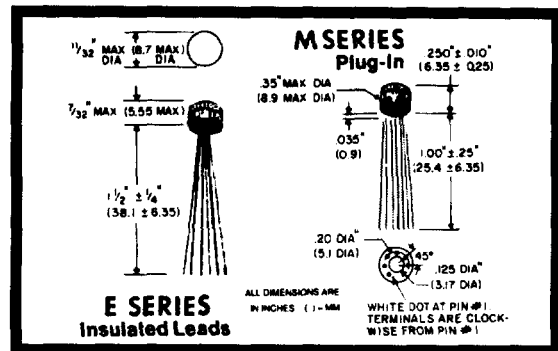
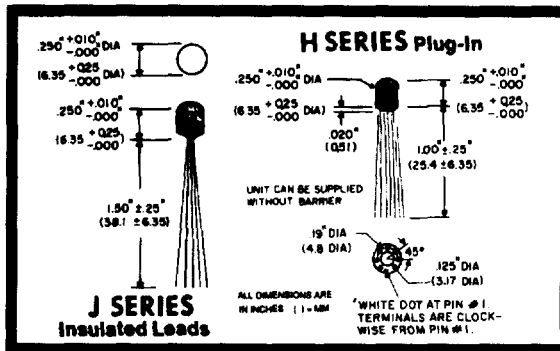


PICO's Ultra-Miniature PULSE Transformers

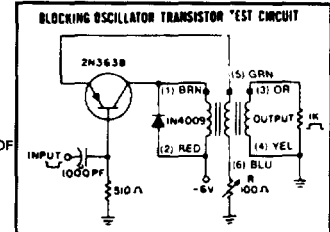


SPECIFICATIONS

- MIL-PRF-21038:** All units manufactured to MIL-PRF-21038.
- DIELECTRIC STRENGTH:** All Units Tested at 200 V RMS.
- INSULATION RESISTANCE:** Greater Than 10,000 Megohms at 300 V DC.
- WEIGHT:** 1.8 Grams
- OPERATING TEMPERATURE:** -55°C to +130°C
- TERMINALS:** Solid .012 Diameter Conductor. Solderability per MIL-STD-202 Method 208.
- THERMAL SHOCK:** 25 Cycles, Method 107, MIL-STD-202, Test Condition -55°C to +130°C

FEATURES

- EXTREME RESISTANCE TO THERMAL SHOCK
- ULTRA MINIATURE SIZE
- BUILT TO MIL-PRF-21038
- MAGNETIC SHIELDS AVAILABLE
- ELECTROSTATIC SHIELDING CAN BE ADDED
- VARIATION OF STANDARD DESIGNS AVAILABLE
- SPECIAL PRODUCTION TECHNIQUES ENSURE UNIFORM SIZE AND LEADS WHICH ARE FREE OF ENCAPSULANT, NO MENISCUS IN LEAD AREA.
- EVERY UNIT IN THIS CATALOG CAN BE MADE WITH A 300 THERMAL CYCLE GUARANTEE USING PICO'S SPECIAL SR CONSTRUCTION. CONTACT FACTORY FOR DETAILS.



URNS RATIO 4:4:1

PICO PART NUMBER		COUPLING CIRCUIT CHARACTERISTICS							BLOCKING OSCILLATOR CIRCUIT					PICO PRICES 1 - 9 ⁹⁹	
H-Series Plug-In	J-Series Insulated Leads	P Width μ Sec	Volt Out	Rise Time μ Sec	% Over Shoot	Drop %	% Black Swing	Imp* In-out	P Width μ Sec	Rise Time μ Sec	% Over Shoot	Drop %	% Black Swing	H-Series	J-Series
H-5400	J-5600	0.05	0.2	0.01	0	0	20	50	0.05	0.01	0	0	35	27.50	24.49
H-5405	J-5605	0.1	0.5	0.015	0	0	20	50	0.1	0.012	0	0	25	27.50	24.49
H-5410	J-5610	0.2	1.2	0.02	0	0	20	100	0.2	0.02	0	0	15	27.50	24.49
H-5415	J-5615	0.5	1.5	0.023	0	5	25	100	0.5	0.023	0	5	15	27.50	24.49
H-5420	J-5620	1	1.5	0.025	0	20	28	100	1	0.03	0	10	15	27.50	24.49
H-5425	J-5625	2	1.5	0.028	0	15	23	100	2	0.035	0	10	15	27.50	24.49
H-5430	J-5630	3	1.5	0.03	0	15	28	100	3	0.04	0	10	15	27.50	24.49
H-5435	J-5635	5	2	0.035	0	20	20	200	5	0.04	0	15	15	27.50	24.49
H-5440	J-5640	10	2	0.05	0	25	25	200	10	0.06	0	15	10	27.50	24.49
H-5445	J-5645	15	2	0.06	0	25	18	200	15	0.07	0	15	15	27.50	24.49
H-5450	J-5650	25	3	0.1	0	30	30	500	25	0.08	0	15	15	27.50	24.49
H-5455	J-5655	50	3	0.3	0	20	20	500	50	0.2	0	10	5	27.50	24.49
H-5460	J-5660	100	6	0.4	0	15	18	500	100	0.35	0	10	15	27.50	24.49

Coupling circuit measurements made with (1) BRN - (2) RED as input and (3) OR - (4) YEL as output, (5) GRN - (6) BLU winding is open: Input Voltage = 1V

PICO PART NUMBER		COUPLING CIRCUIT CHARACTERISTICS							BLOCKING OSCILLATOR CIRCUIT					PICO PRICES 1 - 9 ⁹⁹	
E-Series Insulated Leads	M-Series Plug-In	P Width μ Sec	Volt Out	Rise Time μ Sec	% Over Shoot	Drop %	% Black Swing	Imp* In-out	P Width μ Sec	Rise Time μ Sec	% Over Shoot	Drop %	% Black Swing	H-Series	J-Series
E-5020	M-5300	0.05	10	0.018	0	0	10	50	0.05	0.02	0	0	35	0.21	0.13
E-5040	M-5305	0.1	10	0.02	0	0	5	50	0.1	0.025	0	0	25	0.47	0.17
E-5060	M-5310	0.2	8	0.035	0	0	5	100	0.2	0.030	0	0	15	1.0	0.37
E-5080	M-5315	0.5	8	0.06	0	0	0	100	0.5	0.05	0	0	15	1.5	0.54
E-5100	M-5320	1	8	0.15	0	0	5	100	1	0.08	0	0	15	2.5	0.9
E-5120	M-5325	2	8	0.17	0	0	10	100	2	0.10	0	0	15	3.0	1.1
E-5140	M-5330	3	8	0.2	0	0	10	100	3	0.20	0	0	15	4.9	1.8
E-5160	M-5335	5	8	0.2	0	15	25	200	5	0.30	0	0	3	8.0	2.9
E-5180	M-5340	10	8	0.4	0	15	20	200	10	0.35	0	5	10	13.0	4.7

URNS RATIO 5:3:1

PICO PART NUMBER		COUPLING CIRCUIT CHARACTERISTICS							BLOCKING OSCILLATOR CIRCUIT					PICO PRICES 1 - 9 ⁹⁹	
E-Series Insulated Leads	M-Series Plug-In	P Width μ Sec	Volt Out	Rise Time μ Sec	% Over Shoot	Drop %	% Black Swing	Imp* In-out	P Width μ Sec	Rise Time μ Sec	% Over Shoot	Drop %	% Black Swing	H-Series	J-Series
E-5200	M-5345	0.1	8	0.01	0	0	5	140/50	0.1	0.01	0	0	20	0.55	0.15
E-5220	M-5350	1	8	0.05	0	6	10	280/100	1	0.02	5	5	5	3.0	0.9
E-5240	M-5355	5	8	0.09	0	12	25	560/200	5	0.05	0	10	10	9.5	2.6

URNS RATIO 4:4:4

PICO PART NUMBER		COUPLING CIRCUIT CHARACTERISTICS							BLOCKING OSCILLATOR CIRCUIT					PICO PRICES 1 - 9 ⁹⁹	
E-Series Insulated Leads	M-Series Plug-In	P Width μ Sec	Volt Out	Rise Time μ Sec	% Over Shoot	Drop %	% Black Swing	Imp* In-out	P Width μ Sec	Rise Time μ Sec	% Over Shoot	Drop %	% Black Swing	H-Series	J-Series
E-5181	M-5356	0.05	10	0.018	0	0	10	50	0.05	0.02	0	0	35	0.21	0.13
E-5182	M-5357	0.1	10	0.02	0	0	5	50	0.1	0.025	0	0	25	0.47	0.17
E-5183	M-5358	0.2	8	0.035	0	0	5	100	0.2	0.030	0	0	15	1.0	0.37
E-5184	M-5359	0.5	8	0.06	0	0	0	100	0.5	0.05	0	0	15	1.5	0.54
E-5185	M-5360	1	8	0.15	0	0	5	100	1	0.08	0	0	15	2.5	0.9
E-5186	M-5361	2	8	0.17	0	0	10	100	2	0.10	0	0	15	3.0	1.1
E-5187	M-5362	3	8	0.20	0	0	10	100	3	0.20	0	0	15	4.9	1.8
E-5188	M-5363	5	8	0.20	0	15	25	200	5	0.30	0	0	3	8.0	2.9
E-5189	M-5364	10	8	0.4	0	15	20	200	10	0.35	0	5	10	13.0	4.7

Coupling circuit measurements made with (1) BRN - (2) RED as input and (3) OR - (4) YEL as output, (5) GRN - (6) BLU winding is open: Input Voltage = 1V

***Discount Prices: 1-9 Net; 10-24 less 10%; 25-49 less 16%; 50-99 less 23%; 100-499 less 30%
Ordering Instructions: No minimum. Net 30 days F.O.B. Pelham, New York.

PICO Electronics, Inc.

143 Sparks Avenue,
Pelham, NY 10803-1837
FAX 914-738-8225

www.picoelectronics.com
E-Mail: info@picoelectronics.com

Call Toll Free 800-431-1064