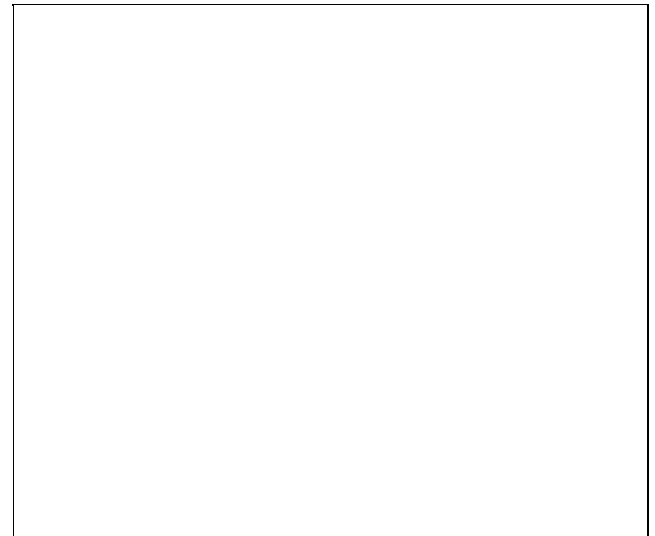


features

- ☐ 600Vrms Working
- ☐ UL 94V-0 Package Material
- ☐ 2500/4000Vrms Isolation
- ☐ Inductance to 16mH
- ☐ Up to 480 V μ S E_T
- ☐ PCB Mounting
- ☐ Custom Parts Available

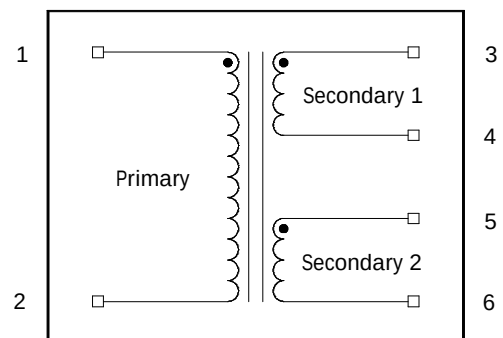
description

The 772 series of pulse transformers are intended for medium power applications in switch mode power supplies and thyristor/triac firing (eg motor control applications). The standard turns ratios may be modified by connecting several windings in series.



pin connections

8 Pin DIP (top view)



772 SERIES

Pulse Transformers

absolute maximum ratings over operating free air temperature range

Operating free air temperature range 0°C to 70°C

Storage temperature range –60°C to 125°C

Lead Temperature 1.5mm from case for 10 seconds 300°C

Isolation voltage (flash tested for 1 second) 2500Vrms

electrical specifications over operating free air temperature range

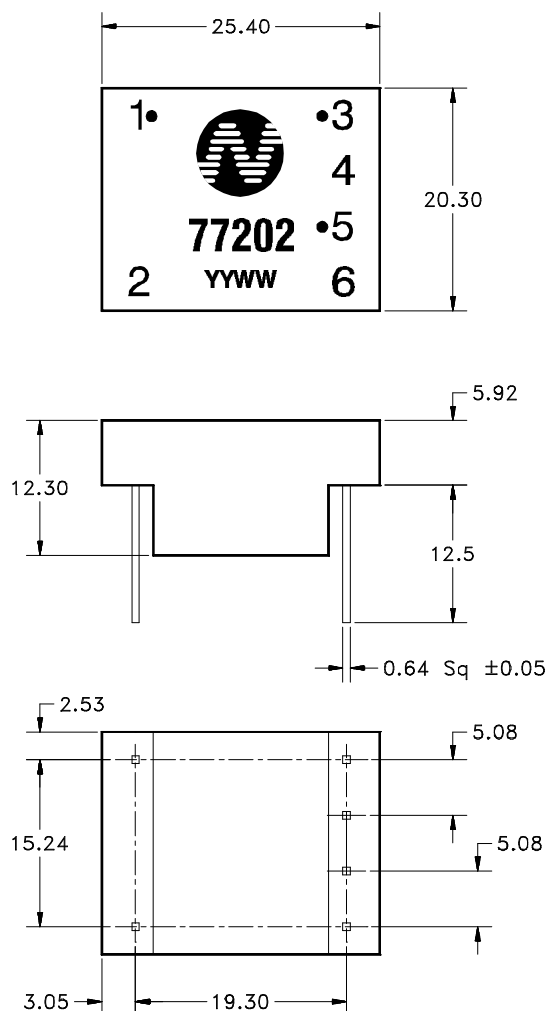
Parameter	Part Number									Units
	77201	77202	77203	77204	77205	77206	77207	77208	77209	
Turns Ratio $\pm 2\%$	1:1	1:1:1	2:1:1	1:1	1:1:1	2:1:1	1:1	1:1:1	2:1:1	
Primary Inductance (min.)	1.00	1.00	1.00	4.00	4.00	4.00	16.3	16.3	16.3	mH
Primary E_T Constant	120	120	120	240	240	240	482	482	482	V μ s
Leakage Inductance (max.)	2.0	3.0	3.5	5.0	11	11	18	40	40	μ H
Interwinding Capacitance (max.)	50	40	30	55	35	35	65	40	40	pF
DC Resistance (max.) Primary Winding	0.25	0.25	0.24	0.86	0.90	0.84	3.50	3.60	3.50	Ω
DC Resistance (max.) Secondary 1 Winding	0.23	0.22	0.12	0.83	0.76	0.38	3.40	3.10	1.60	
DC Resistance (max.) Secondary 2 Winding	—	0.28	0.15	—	1.10	0.50	—	4.20	2.00	
Package Style	1									

Note : All data taken at $T_A = 25^\circ\text{C}$.

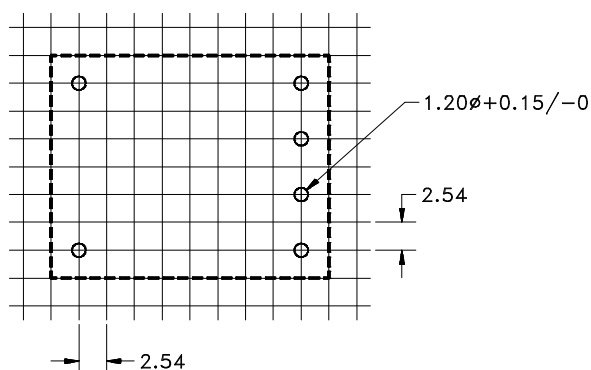
outline dimensions

8 Pin DIP package style

1



recommended footprint details



All dimensions in mm XX.X ±0.50, XX.XX ±0.25