

**FEATURES**

- 6 Configurations
- Inductance to 11mH
- Toroidal Construction
- Up to 50 V<sub>μS</sub> E<sub>T</sub>
- Fully Encapsulated
- PCB Mounting
- Industry Standard Pinout
- Isolation to 500VDC
- UL 94V-0 Package Material

**DESCRIPTION**

The 766 series is a comprehensive range of general purpose pulse transformers. Common applications include line coupling, matching or isolating. The devices can also be used in small isolated power supplies and also as common-mode chokes in filtering applications. Please contact the technical support desk to discuss your requirements.

**SELECTION GUIDE**

Order Code	Turns Ratio ±2%	Primary Inductance <sup>1</sup> Min μH	Primary E <sub>r</sub> Constant <sup>1</sup> Min V <sub>μs</sub>	Leakage Inductance Max μH	Interwinding Capacitance Max pF	DC Resistance	Isolation Voltage Max VDC	Pin Connection Style	Mechanical Dimensions			
76600/1	1:1	2060	17.50	0.60	35	1.50	500	A	3			
76600/2	1:1	492	8.50	0.30	20	0.80						
76600/3	1:1	219	5.50	0.25	12	0.50						
76600/4	1:1	50	4.00	0.20	10	0.40						
76601/1	1:1	2060	17.5	0.60	35	1.50	500	B		3		
76601/2	1:1	492	8.50	0.30	20	0.80						
76601/3	1:1	219	5.50	0.25	12	0.50						
76601/4	1:1	50	4	0.20	10	0.40						
76601/6	1:1	9.5	6	0.20	10	0.40						
76601/8	1:1	1000	12	0.30	25	0.30						
76601/9	1:1	11mH	51	65	5	5.00						
76601/16	1:1	4000	50	0.60	45	1.50						
76601/20	1:1	20.1	2.5	0.20	5	0.20						
76601/23	1:1	938	10.5	0.20	35	0.15						
76601/24	1:1	11.7mH	50.5	0.40	80	1.35						
76602/1	1:1:1	2060	17.5	0.60	35	1.50			500		C	1
76602/2	1:1:1	492	8.5	0.30	20	0.80						
76602/3	1:1:1	219	5.5	0.25	12	0.50						
76602/5	1:1:1	23	2.5	0.20	8	0.30						
76602/6	1:1:1	9.5	6	0.20	10	0.40						
76602/8	1:1:1	469	10.5	3.50	3	0.40						
76602/9	1:1:1	5870	37.5	0.90	60	1.70						
76603/3	2:1	219	5.5	0.60	8	0.50	500	G		3		
76604/1	2:1	1970	17	1.60	20	1.50	500	B		3		
76605/1	2:1:1	2160	18	1.60	20	1.50	500	D	1			
76605/2	2:1:1	540	9	0.80	10	0.80						
76605/6	2:1:1	9.5	6	0.40	8	0.40						
76606/1	3:1	1970	17	1.80	15	1.50	500	G	3			
76607/3	3:1	251	6	1.00	5	0.50	500	B	3			
76608/9	3:3:2	400	9.5	0.50	15	0.20	500	H	1			
76610/1	4:1	2160	18	2.80	12	1.50	500	B	3			
76610/4	4:1	90	5	1.00	5	0.40						
76610/6	4:1	9.5	6	1.20	5	0.40						
76613/1	1cr:1	1970	17	0.70	36	1.60	500	E	2			
76613/2	1cr:1	540	9	0.40	22	0.90						
76613/3	1cr:1	219	5.5	0.30	13	0.60						
76614/1	2cr:1	1970	17	1.00	35	1.50						
76614/3	2cr:1	125	6	0.50	12	0.50						
76615/1	1cr:1cr	3200	45	2.00	27	1.00	500	F	1			
76615/6	1cr:1cr	400	9.5	85	3	0.30						
76616/1	1cr:2cr	1800	15.5	1.00	20	1.00						
76616/3	2cr:1cr	4350	23	3.00	20	1.00						
76616/8	1cr:2cr	7600	30.5	0.80	25	1.80						

**ABSOLUTE MAXIMUM RATINGS**

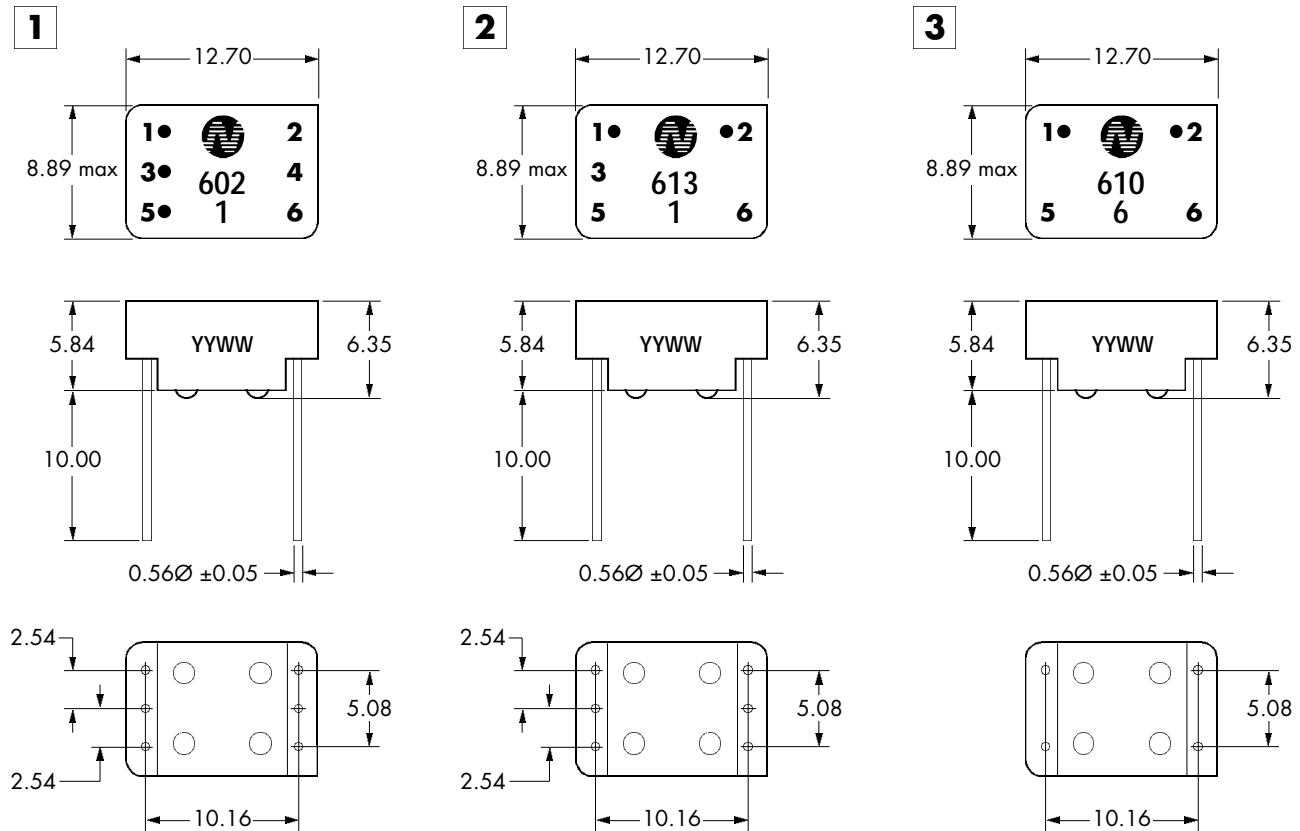
Operating free air temperature range	0°C to 70°C
Storage temperature range	-60°C to 125°C
Lead Temperature 1.5mm from case for 10 seconds	300°C
Isolation voltage (flash tested for 1 second)	500VDC

<sup>1</sup> Measured at 10kHz, 10mV  
All specifications typical at T<sub>A</sub> = 25°C

# 766 SERIES

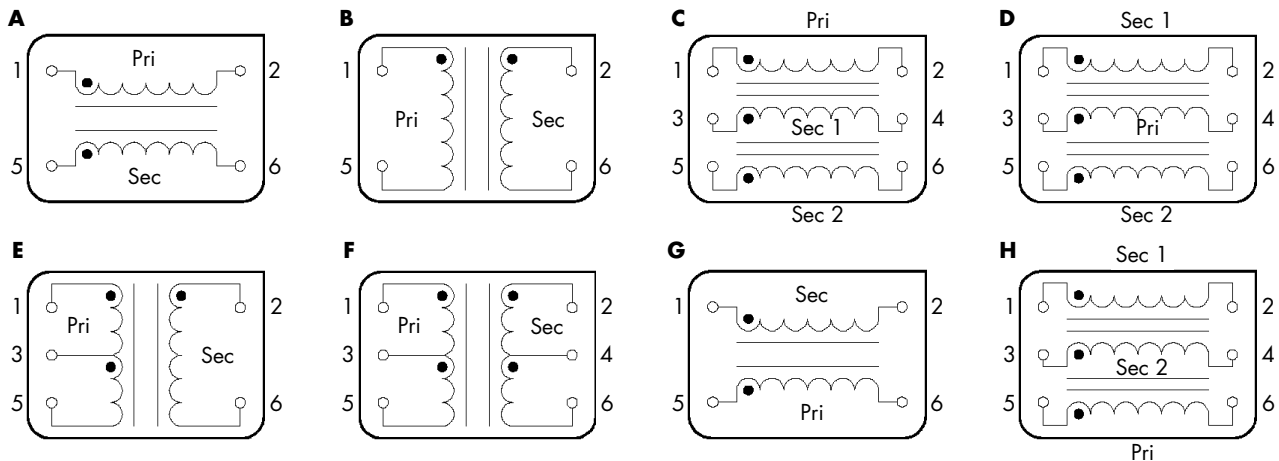
## Pulse Transformers

### MECHANICAL DIMENSIONS (6 PIN DIP PACKAGE STYLE)



All dimensions in mm XX.XX  $\pm 0.25$ mm. All pins on a 2.54mm pitch and within  $\pm 0.25$ mm of true position.

### PIN CONNECTION STYLE (6 PIN DIP - TOP VIEW)



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