ENGLISH

Datasheet
Stock No:
RS Pro

Toroidal PC Transformer

Features

- Lower stray field
- High efficiency
- Reduced standby current
- Externally low level of radiated magnetic field
- Very low induced noise (hum)
- Very low iron loss
- Dual 115V primaries for parallel or series connections
- Test Voltage Primary - Secondary 4.0 KV
- low profile - small size and low weight
- ease of mounting - M4 center bush
- Ambient operating temp.: +60°C Max.
- Fully RoHS & REACH Compliant

Power VA	RS Stock Code	Sec Full Load V	Sec Current mA	Sec Open Circuit V
1.6	1243840 1243841 1243842 1243843	2 x 7 2 x 9 2 x 12 2 x 15	114 89 67 53	2 x 8.9 2 x 11.6 2 x 15.4 2 x 19.3
3.2	1243844 1243845 1243846 1243847 1243848	2 x 7 2 x 9 2 x 12 2 x 15 2 x 22	229 178 133 107 73	2 x 10.2 2 x 13.0 2 x 17.3 2 x 21.4 2 x 31.3
5.0	1243849 1243850 1243851 1243852 1243853 1243854	2 x 7 2 x 9 2 x 12 2 x 15 2 x 18 2 x 22	357 278 208 167 139 114	2 x 9.7 2 x 12.4 2 x 17.0 2 x 21.3 2 x 25.5 2 x 30.5

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Power VA	RS Stock Code	Sec Full Load V	Sec Current mA	Sec Open Circuit V
7.0	1243855	2 x 7	500	2 x 9.5
	1243856	2 x 9	389	2 x 12.2
	1243857	2 x 12	292	2 x 16.2
	1243858	2 x 15	233	2 x 20.3
	1243859	2 x 18	194	2 x 24.3
	1243860	2 x 22	159	2 x 29.7
10.0	1243861	2 x 7	714	2 x 8.3
	1243862	2 x 9	556	2 x 10.8
	1243863	2 x 12	417	2 x 14.4
	1243864	2 x 15	333	2 x 18.0
	1243865	2 x 18	278	2 x 21.7
	1243866	2 x 22	227	2 x 26.3
15.0	1243867	2 x 7	1071	2 x 8.9
	1243868	2 x 9	833	2 x 11.1
	1243869	2 x 12	625	2 x 14.8
	1243870	2 x 15	500	2 x 18.5
	1243871	2 x 18	417	2 x 22.2
	1243872	2 x 22	341	2 x 27.2
25.0	1243873	2 x 7	1785	2 x 8.3
	1243874	2 x 9	1377	2 x 10.7
	1243875	2 x 12	1041	2 x 14.3
	1243876	2 x 15	832	2 x 17.8
	1243877	2 x 18	694	2 x 21.4
	1243878	2 x 22	568	2 x 26.2

Standard Outputs (Electrical measurements @ 20°C ambient temperature)

Power VA	Weight Cu gram	No Load Regulation ^V/Sec. (%)	^t °C	Efficiency %	No Load mA (typ.)	230V Fuse mA	Secondary Range (Max.)				
							VA	^V / sec. %	^t °C	Efficiency %	Rec. Fuse mA
1.6	82	29	10	77	1.0	32	2.0	60	30	60	32
3.2	110	43	20	70	1.5	32	3.7	80	40	50	50
5.0	144	40	29	68	2.0	50	5.5	80	40	50	63
7.0	174	34	25	74	3.0	63	7.5	70	40	60	80
10	252	20	24	82	3.0	80	12.0	60	45	60	100
15	304	23	27	80	4.0	100	16.0	60	40	65	125
25	435	19.0	28	83	5.0	160	--	--	--	--	--

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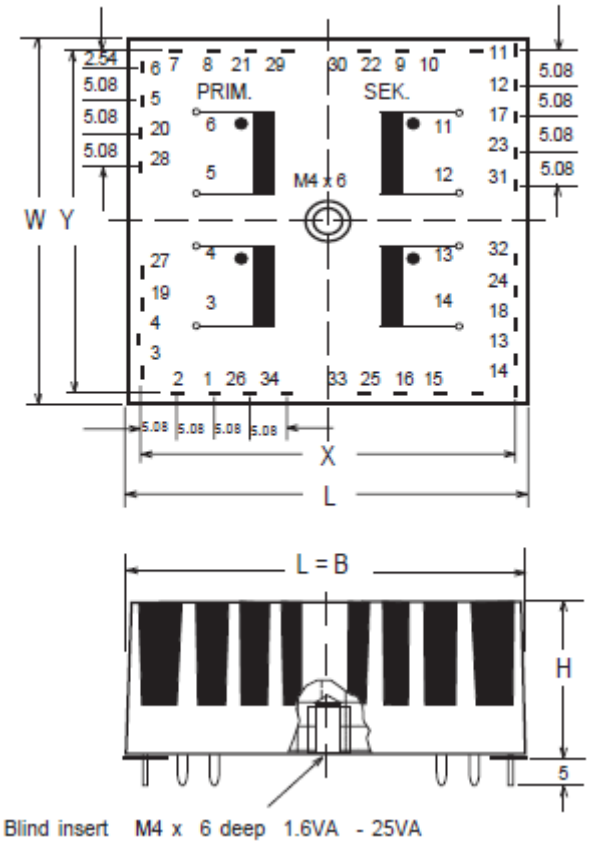
Mechanical Dimension

Dimensions - 7XXXX Series					
Power VA	Dimensions L x W x H mm	Pin Layout		Weight gram	Pin Availability
		XY mm	Pin Size mm		
1.6	39.6x39.6x18.5	35.56	1.0x0.5	82	1 - 16
3.2	44.7x44.7x19.5	40.64	1.0x0.5	110	1 - 18
5.0	49.7x49.7x19.5	45.72	1.0x0.5	144	1 - 18
7.0	49.7x49.7x23.1	45.72	1.0x0.5	174	1 - 18
10	55.0x55.0x26.0	50.80	1.0x0.5	252	1 - 18
15	60.0x60.0x26.3	55.88	1.0x0.5	304	1 - 20
25	60.0x60.0x37.5	55.88	1.0x0.5	435	1 - 20

Pin Side



Specifications subject to change, Custom models available on request

- For 230 volt operation, connect primaries in series by connecting pins 5 & 4 together and apply 230 volts across pins 6 & 3

- For 115 volt operation, connect primaries in parallel by connecting pins 6 & 4 together and pins 5 & 3 together, apply 115 volts across pins 6 & 5

- To parallel the secondary's, connect pins 14 to 12 and 13 to 11 take the output across pins 14 &13

- To place the secondary's in series, connect pins 13 to 12 and take the output across pins 14 &11