TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C

PARAMETER	SPEC LIMITS MIN.	TYP.	MAX.	UNITS
TURNS RATIO'S: FREQUENCY: 10 KHZ VOLTAGE: 1.0 VRMS				
(1-3) : (16-13)	--------	1 : 2.50	--------	± 3%
(6-8) : (12-9)	--------	1 : 2.50	--------	± 3%
(1-3) : (15-14)	--------	1 : 1.79	--------	± 3%
(6-8) : (11-10)	--------	1 : 1.79	--------	± 3%
DC RESISTANCE				
1-3, 6-8	--------	--------	1.0	Ω
16-13, 12-9	--------	--------	3.5	Ω
IMPEDANCE:16-13, 12-9				
F: 75 KHZ TO 150 KHZ	3000	-------	-------	Ω
F: 150 KHZ TO 1 MHZ	4000	-------	-------	Ω
COMMON MODE REJECTION	45	--------	--------	dB
HI-POT: BETWEEN 1 to 16 & 6 to 12	100	--------	--------	VRMS
INSULATION RESISTANCE (250VDC) BETWEEN 1 to 16 & 6 to 12	1000	--------	--------	MΩ

NOTES:
1. MEET MIL-STD-1553 AND MIL-PRF-21038 ELECTRICAL CHARATERISTICS.
2. COPLANARITY = 5-MIL MAX.
3. CASE SHALL BE OF TYPE THAT HAS THE GULL WING TERMINAL PINS PROTRUDING FROM THE SIDES OF THE CASE ONLY. NO PINS SHALL PROTRUDE FROM THE EPOXY POTTING.

FIGURE 1: SCHEMATIC DIAGRAM

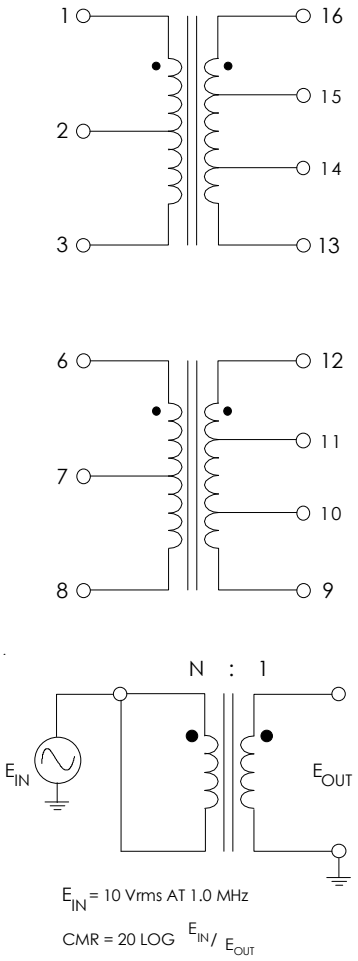


FIGURE 2: PHYSICAL DIMENSIONS IN INCHES (mm)

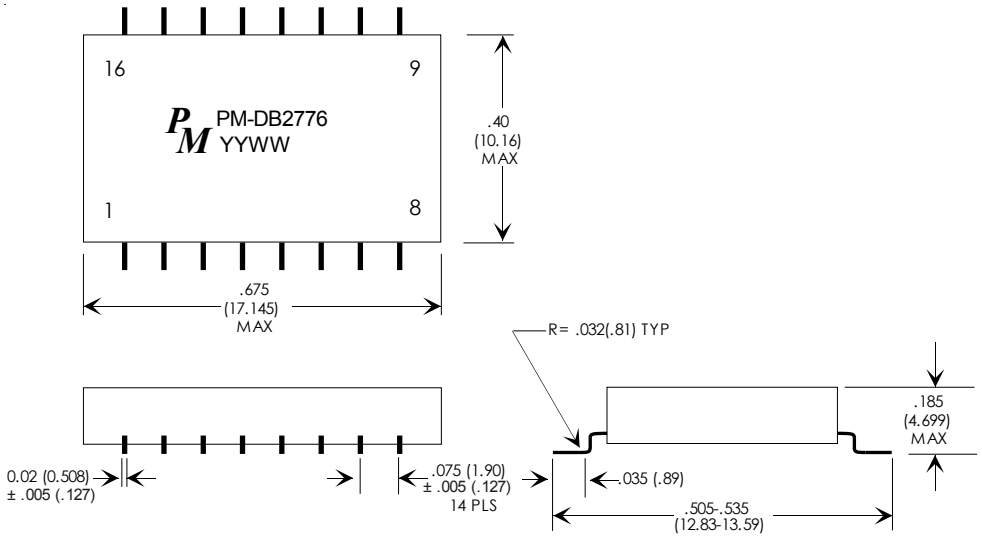
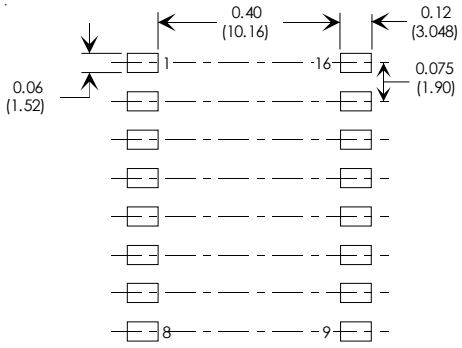


FIGURE 3: PCB LAYOUT



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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DIMENSIONAL TOLERANCES ARE:
DECIMALS ANGLES
.XX ± .03 ± 0 ° 30'
.XXX ± .015
DO NOT SCALE DRAWING

TRANSFORMER CONTROL DRAWING	
PREMIER P/N: PM-DB2776	REVISION: 04/12/19
ENGR: PETER PHAM	REF: 21038/27
SCALE: NONE	SHEET: 1 OF 2

TABLE 2: GENERAL SPECIFICATIONS

PARAMETER	UNIT	VALUE	REMARKS
Case			Flame Resistant, Diallyl Phthalate
Weight	gm	5 Max	
Terminals			Solderable
Terminal Strength	lbs	2	2 pounds applied force, Mil-Std-202, Method 211, Condition A
Dielectric Withstanding Voltage	Vrms	100	Mil-Std-202, Method 301
Insulation Resistance	MΩ	1,000	Mil-Std-202, Method 302, Condition B, At 250Vdc
Life (Expectancy "X")	Hrs	10,000 Min	Mil-Prf-21038
Pulse Width	μS	2	Mil-Prf-21038, Figure 3 & 4
Overshoot & Ringing	V	± 1 Max	Mil-Prf-21038, Figure 3 & 4
Droop	%	20%Max	Mil-Prf-21038, Figure 3 & 4
Rise Time	ns	250 Max	Mil-Prf-21038, Figure 3 & 4
Common Mode Rejection	dB	45	Mil-Prf-21038, Figure 2
Operation Temperature	°C	-55°C to +130°C	
Storage Temperature	°C	-65°C to +130°C	
Turns Ratio			See Table 1
DC Resistance			See Table 1
Impedance			See Table 1
Packaging	MSL	3	Per JEDEC J-Std-020 and J-Std-033

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TRANSFORMER CONTROL DRAWING	
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