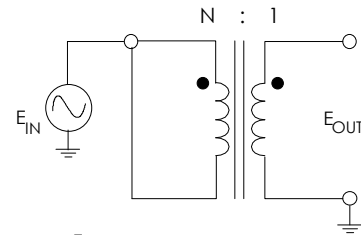
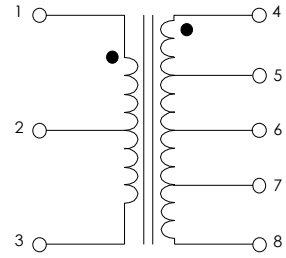


TABLE 1: ELECTRICAL SPECIFICATIONS AT 25 °C

PARAMETER	SPEC LIMITS			UNITS
	MIN.	TYP.	MAX.	
TURNS RATIO'S: FREQUENCY: 10 KHZ VOLTAGE: 1.0 VRMS (1-3) : (4-8) (1-3) : (5-7)	-----	1 : 2.50	-----	± 3%
DC RESISTANCE 1-3 4-8	-----	-----	1.0 3.5	Ω
IMPEDANCE:4-8 FREQUENCY: 75 KHZ TO 1.0 MHZ	4000	-----	-----	Ω
COMMON MODE REJECTION	45	-----	-----	dB
HI-POT: BETWEEN 1 AND 4	100	-----	-----	VRMS
INSULATION RESISTANCE BETWEEN 1 AND 4 AT 250 VDC	1000	-----	-----	MΩ

NOTE1:
MEET MIL-STD-1553 AND MIL-PRF-21038 ELECTRICAL CHARACTERISTICS.

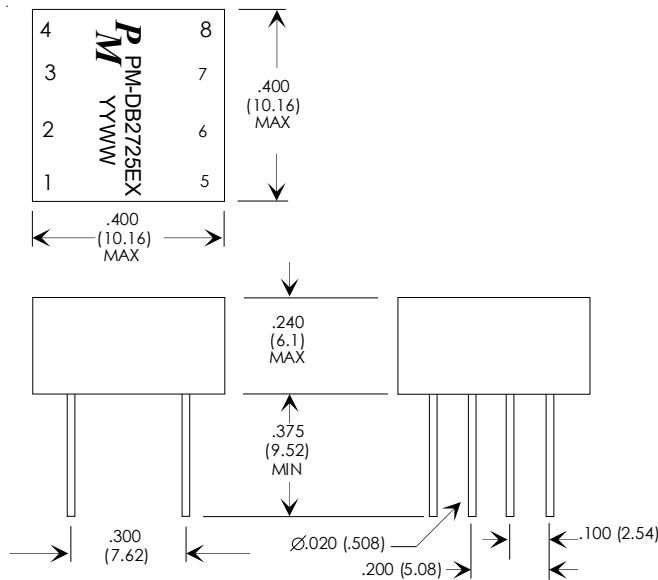
FIGURE 1: SCHEMATIC DIAGRAM



$$E_{IN} = 10 \text{ Vrms AT } 1.0 \text{ MHz}$$

$$CMR = 20 \text{ LOG } \frac{E_{IN}}{E_{OUT}}$$

FIGURE 2: PHYSICAL DIMENSIONS IN INCHES (mm)



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
DIMENSIONAL TOLERANCES ARE:
DECIMALS ANGLES
.XX ± .03 ± 0° 30'
.XXX ± .020
DO NOT SCALE DRAWING

TRANSFORMER CONTROL DRAWING

PREMIER P/N: PM-DB2725EX	REVISION: 01/05/21
ENGR: PETER PHAM	REF: 21038/27-25EX
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	150 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	
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



UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 DIMENSIONAL TOLERANCES ARE:
 DECIMALS ANGLES
 .XX ± .03 ± 0° 30'
 .XXX ± .020
 DO NOT SCALE DRAWING

TRANSFORMER CONTROL DRAWING	
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