

# Push-Pull Low Power Transformer

ME3150X Series Designed for use with  
Maxim IC Max253 & Max3535E

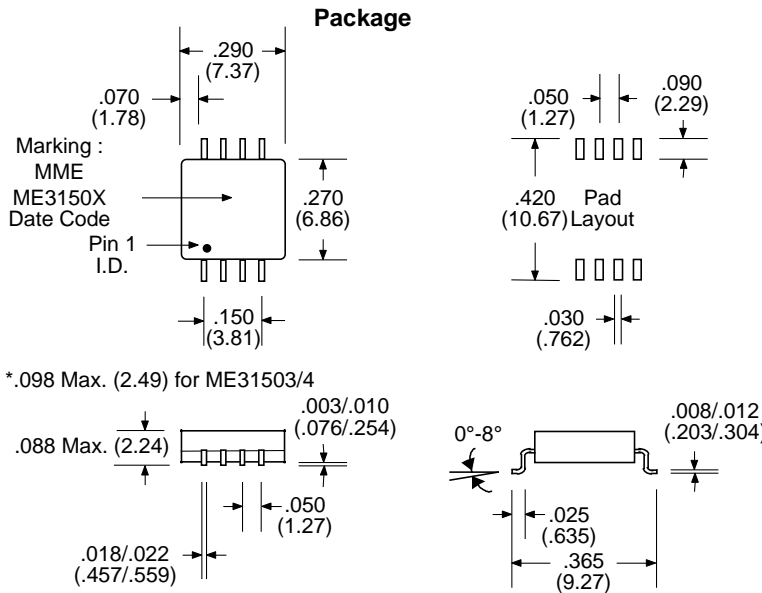


- Operating Temperature : -40°C to +85°C
- Used in SMPS Push-Pull Topology
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Switching Frequency : 350 KHz
- 8 Pin SOIC PCMCIA Package
- Very Low Core Loss

## Electrical Parameters @ 25° C

Part Number	Voltage (V)		Primary OCL (μH Typ.)	Turns Ratio (Pri. :Sec.)	ET (V-μSec.)	Duty Cycle (%)	Rectification (Half or Full Wave)
	V in	V out					
			@ 100 KHz, 0.1 Vrms	Pri. :Sec.	@ 350 KHz		Connections
ME31501	3.3	5	394	1:1:2:2	7.1	50	† Output Center Tap
ME31502	5	5	988	1:1:1.3:1.3	11	50	† Output Center Tap
		10	988	1:1:1.3:1.3	11	50	Voltage Doubler
*ME31503	5	10	988	1:1:2.67:2.67	11	50	† Output Center Tap
*ME31504	5	12	988	1:1:3:3	11	50	† Output Center Tap
		24	988	1:1:3:3	11	50	Voltage Doubler
ME31505	3.3	5	394	1:1:1:1	7.1	50	Voltage Doubler
ME31506	5	5	988	1:1:.67:.67	11	50	Voltage Doubler
ME31507	5	12	988	1:1:1.5:1.5	11	50	Voltage Doubler
ME31508	5	15	988	1:1:2:2	11	50	Voltage Doubler

• † Connections : Output Center Tap as Common/Return • 700 Vdc Minimum Isolation •



Notes :	ME3150X
1. Lead Finish	Hot Tin Dip (Sn)
2. Peak Solder Rating (per IPC/JEDEC-J-STD-020C)	260°C
3. Moisture Sensitive Levels (MSL) (per IPC/JEDEC-J-STD-020C)	1 (Unlimited, 30°C/60%RH)
4. Weight	0.25 grams
5. Packaging Information (Reel)	1200 pcs / Reel

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25