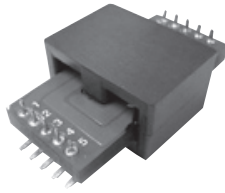


Surface Mount Planar Transformers



- Operating Temperature Range -25°C to +125°C
- Ambient Temperature, Maximum 85°C

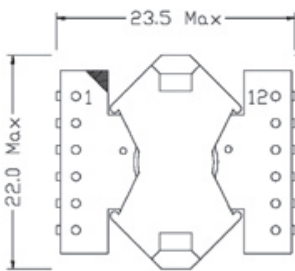
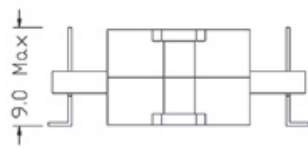
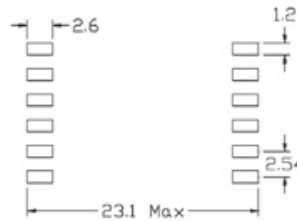
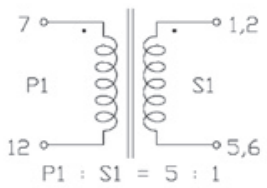
Specifications

Part Number	Power Rating	Turns Ratio		Pri, P1 Inductance ⁽¹⁾ (μ H) Min.	Leakage Inductance ⁽²⁾ (μ H) Typ.	DCR ⁽³⁾ m Ω Max.			Pri-Sec Isolation
		Pri	Sec			P1	S1	S2	
HM90-24240	Flyback 300kHz 60W 48V to 23V 5A	5	1	23.5	0.47	100.0	10.0	-	1000Vac
HM90-29240	Flyback 300kHz 60W 48V to 23V 5A	5	1	23.5	0.47	100.0	10.0	-	1000Vac
HM90-27141	Half Bridge 100kHz 125W 48V to 5V 25A	8	1:1	140.0	0.40	35.0	3.5	3.5	1200Vdc
HM90-30181	Forward 300kHz 55W 48V to 5V 8A/3.3V 4.5A	10	2:3	180.0	0.40	54.0	5.0	9.0	1500Vdc

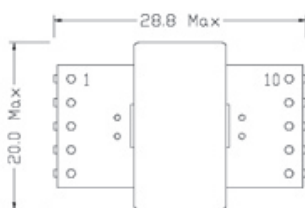
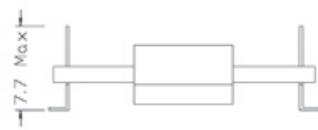
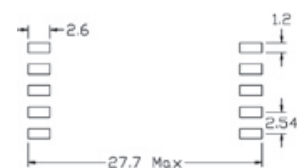
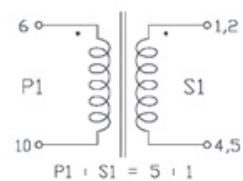
- Notes:
- (1) Inductance is measured at 100kHz, 0.1V without DC current.
 - (2) Leakage inductance is measured at P1 with all other windings shorted.
 - (3) DC resistance is measured at 25°C.

Outline Dimensions (mm) / Schematics

HM90-24240

Top View

Side View

Recommended PCB Pattern

Schematic


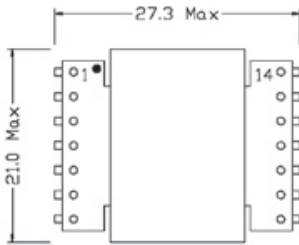
HM90-29240

Top View

Side View

Recommended PCB Pattern

Schematic


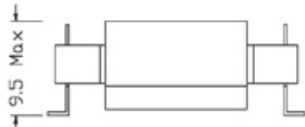
Outline Dimensions (mm) / Schematics

HM90-27141

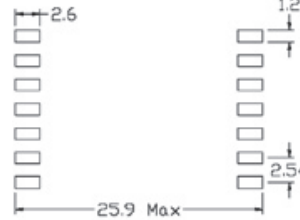
Top View



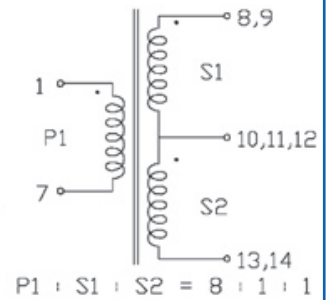
Side View



Recommended PCB Pattern

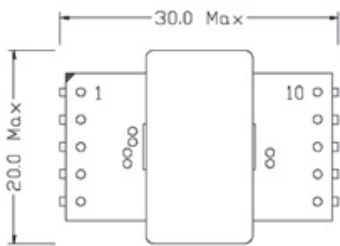


Schematic

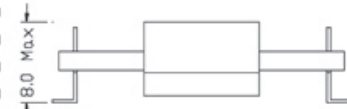


HM90-30181

Top View



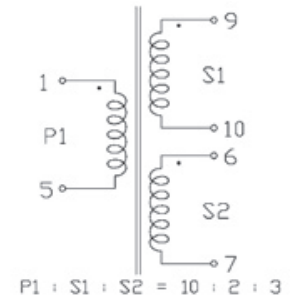
Side View



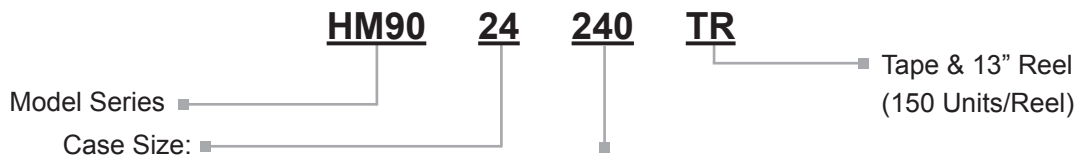
Recommended PCB Pattern



Schematic



Ordering Information



Inductance Code:

First 2 digits are significant. Last digit denotes the number of trailing zeros. For values below 10 μ H, 'R' denotes the decimal point