10/100/1000 BASE –TX VOICE OVER IP MAGNETICS MODULE
P/N: VP2009 HF DATA SHEET

Feature

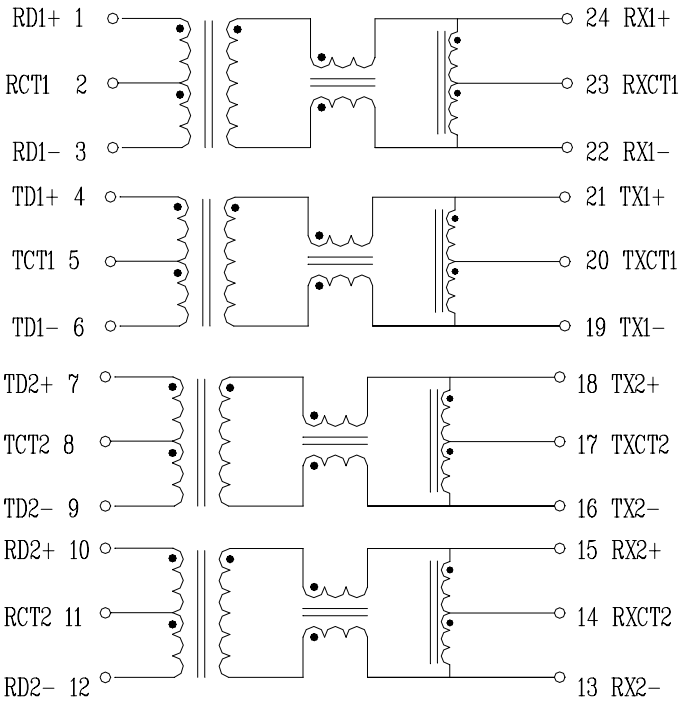


- IEEE 802.3af/ANSI X3.263 compliant performance.
- 350mA current capability.
- Designed for IP phone or switch applications.
- Compact footprint.
- The model offer Auto MDIX capability.
- Comply with ROHS & Halogen Free requirements.
- Operating temperature range : 0℃ to +70℃.
- Storage temperature range: -25℃ to +85℃.

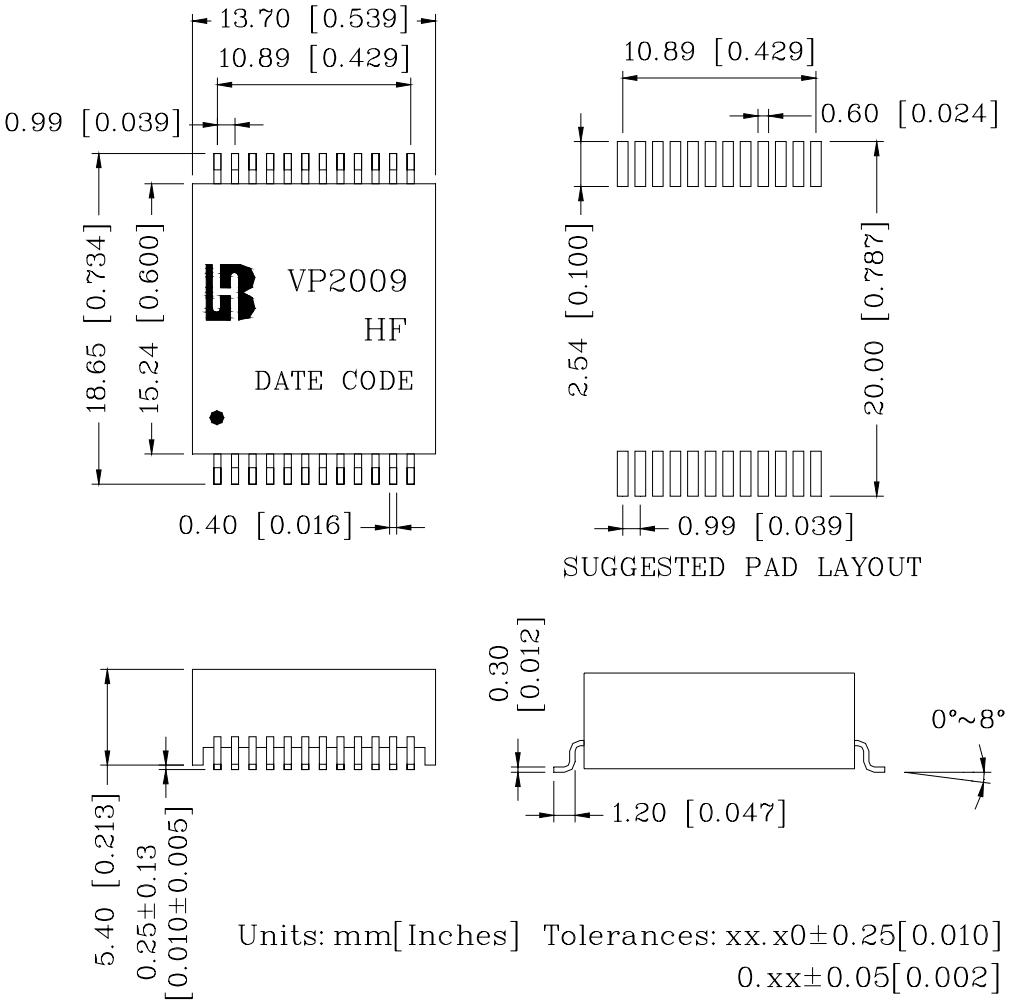
Electrical Specifications @ 25°C							
Part Number	Turns Ratio (±5%)		OCL (uH Min) @100KHz/100mV with 8mA DC Bias	Cross talk (dB Min)			HI-POT (Vrms)
	TX	RX		30MHz	60MHz	100MHz	
VP2009 HF	1CT: 1	1CT: 1	350	-43	-37	-33	1500

Continue								
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				DCMR (dB Min) TX/RX		
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	30MHz	60MHz	100MHz
VP2009 HF	-1.1	-16	-14	-13	-12	-43	-37	-33

Schematic



Mechanical


13.70 [0.539]
10.89 [0.429]
0.99 [0.039]
18.65 [0.734]
15.24 [0.600]
VP2009
HF
DATE CODE
0.40 [0.016]
10.89 [0.429]
0.60 [0.024]
2.54 [0.100]
20.00 [0.787]
0.99 [0.039]
SUGGESTED PAD LAYOUT
0.30 [0.012]
0°~8°
1.20 [0.047]
5.40 [0.213]
0.25±0.13
[0.010±0.005]
Units: mm[Inches] Tolerances: xx.x0±0.25[0.010]
0.xx±0.05[0.002]