

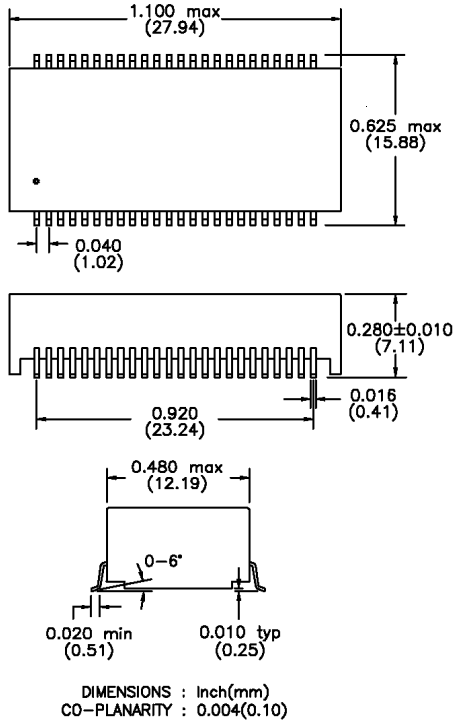


Remote Power – Quad Port, NV6 Package 10/100BASE-TX Magnetic Modules

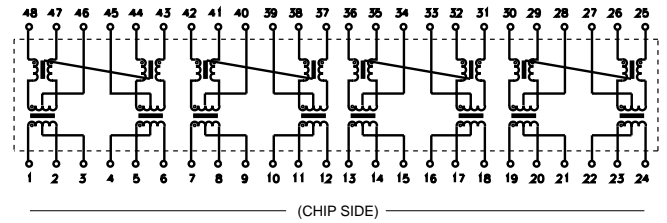


HALO Electronics offers a complete family of quad port, “Remote Power”, solutions. Available in both commercial and industrial temperature ranges. Designed to meet the requirements of IEEE802.3af with 350 mA current capability. Auto-MDIX compatible.

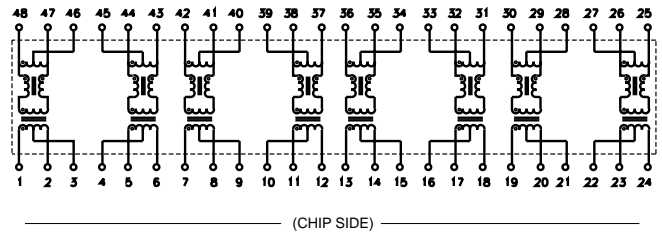
NV6 Package



Circuit Diagram A



Circuit Diagram B



Patented Construction, Pat. No. 5,656,985

Electrical Specifications @ 25°C

Isolation Voltage: 1,500Vrms
 Turns Ratio, TX & RX: 1CT:1CT
 Insertion Loss (0.1-100MHz): -1.1dB max
 OCL @100KHz, 8mA: 350µH min
 (over full temp. range)

Return Loss
 0.5-30MHz: -18dB min
 40MHz: -15.5dB min
 50MHz: -13.6dB min
 60-80MHz: -12dB min

Part Number	Temp Range	PRI/SEC Cw/w (pF typ)	PRI DCR (Ω max)	CMR (.1-100MHz)	Crosstalk (1-100MHz)	Circuit Diagram
TG110-RP04NV6	0 to 70C	25	0.9	-38dB typ	-38dB typ	A
TG110-RP16NV6	0 to 70C	25	0.9	-40dB typ	-40dB typ	B
TG110-RPE17NV6	-40 to 85C	25	1.0	-38dB typ	-38dB typ	A

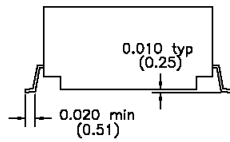
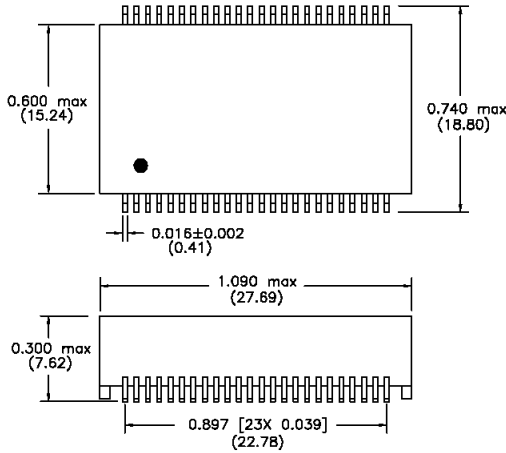


Remote Power – Quad Port, NV Package 10/100BASE-TX Magnetic Modules



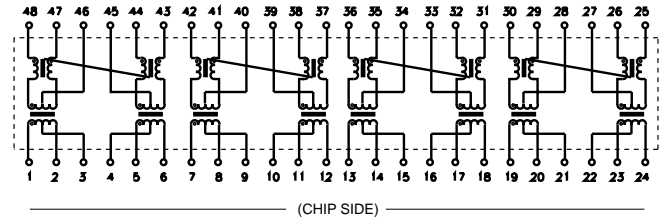
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NV Package

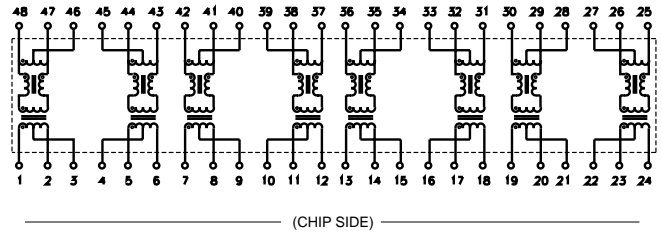


DIMENSIONS : Inch(mm)
CO-PLANARITY : 0.004(0.10)

Circuit Diagram A



Circuit Diagram B



Patented Construction, Pat. No. 5,656,985

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Part Number	Temp Range	PRI/SEC Cw/w (pF typ)	PRI DCR (Ω max)	CMR (.1-100MHz)	Crosstalk (1-100MHz)	Circuit Diagram
TG110-RP08NV	0 to 70C	25	0.9	-40dB typ	-40dB typ	B
TG110-RP13NV	0 to 70C	25	0.9	-38dB typ	-38dB typ	A
TG110-RPE14NV	-40 to 85C	25	1.0	-38dB typ	-38dB typ	A
TG110-RPE15NV	-40 to 85C	25	1.0	-40dB typ	-40dB typ	B