

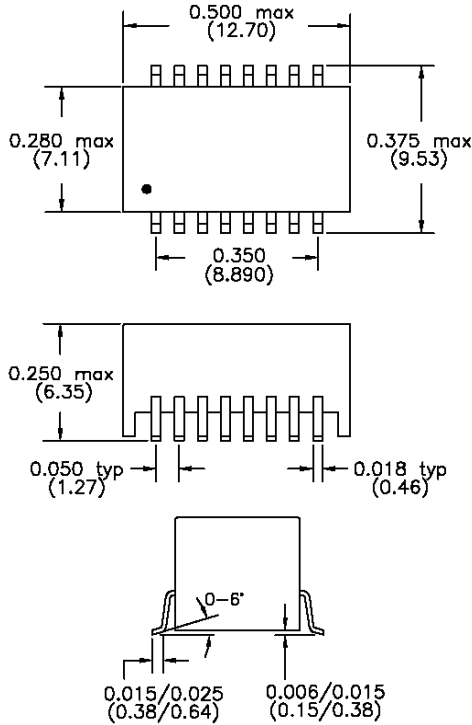


## Remote Power - Ultra™ 10/100BASE-TX SOIC-16 Magnetic Modules



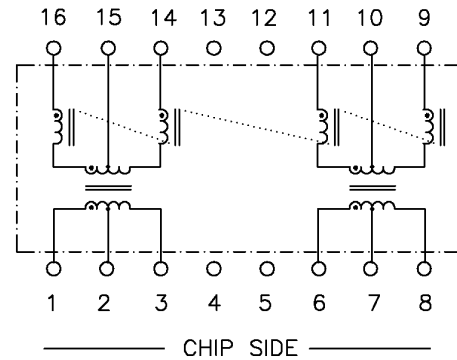
HALO Electronics is pleased to offer the RP-Ultra™, the industry's first "Remote Power" version of the small footprint SOIC-16. IEEE802.3af compliant with 350 mA current capability in both commercial and industrial temperature ranges. The RP-Ultra™ is ideal for VoIP phones, wireless base stations and most remote power applications.

**N5 Package**



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

**Circuit Diagram**



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

**Electrical Specifications @ 25°C**

Isolation Voltage: 1,500Vrms  
 Insertion Loss (0.1-100MHz): -1.1dB max  
 CMR (0.1-100MHz): -38dB typ  
 Crosstalk (0.1-100MHz): -38dB typ  
 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	Turns Ratio ±3% (1-3:16-14) / (6-8:11-9)	Temp Range	PRI/SEC Cw/w (pF typ)	PRI DCR (Ω max)
TG110-RP55N5	(1CT:1CT) / (1CT:1CT)	0 to 70C	25	0.9
TG110-RPE5N5	(1CT:1CT) / (1CT:1CT)	-40 to 85C	25	1.0