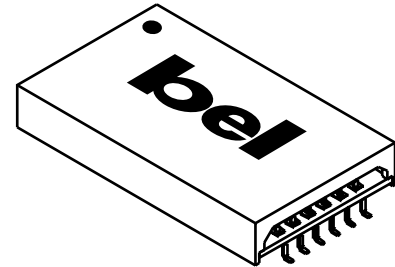


## DSL Network Module RADSL-LP CP

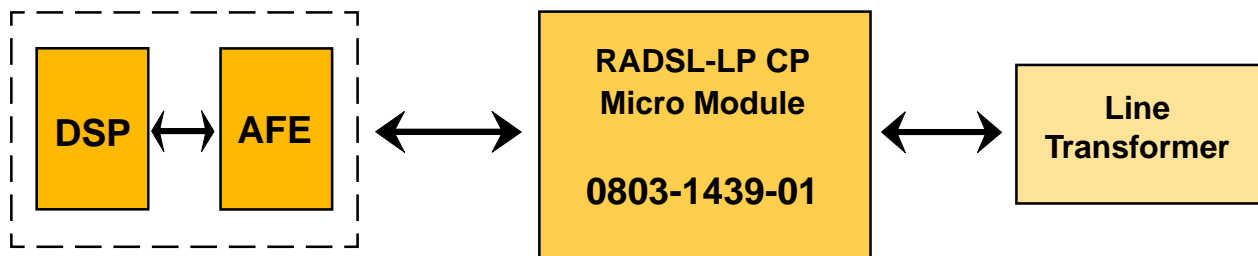
- Complete miniaturized analog transmitter and receiver for the RADSL-LP customer premises (CP) application
- +15 dBm differential transmit signal power into a 100  $\Omega$  termination
- Operating temperature -40° to 85° C
- Single power supply voltage
- Low power (Pd) dissipation
- Surface mount packaging



### ELECTRICAL SPECIFICATIONS AT 25° C

0803-1439-01	Min	Max
<b>Absolute Maximum Ratings</b>		
Power supply voltage to AGND	-0.3V	+6.0V
Storage temperature	-40° C	+125° C
<b>Recommended Maximum Operating Conditions</b>		
Power supply voltage	+4.75V	+5.25V
Operating temperature (non condensing)	-40° C	+85° C
<b>EDS Threshold (Highest Passing Voltage)</b>		
Human body model (all pins)	> 500V	
<b>General Characteristics</b>		
Transmit path gain variation (laser trimmed)	----	±0.25dB
Power dissipation (varies with baud rate)	375 mW typ	
Package type	12-pin SMD	

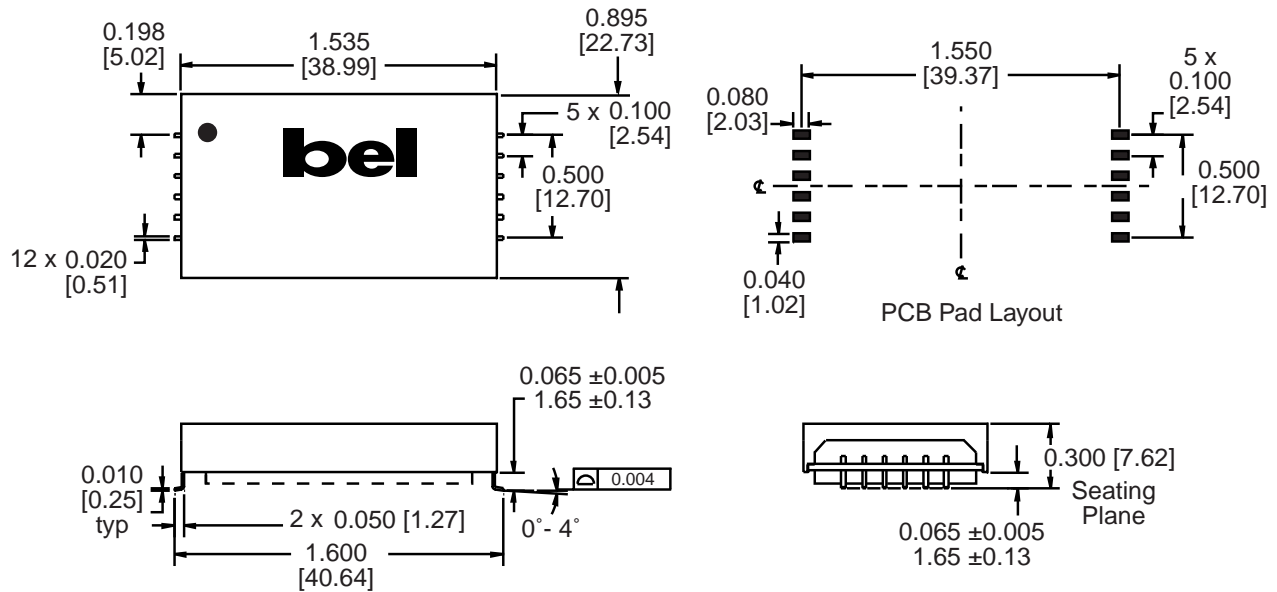
### BLOCK DIAGRAM



VAP00103

### MECHANICAL

0803-1439-01



Dimensions are in inches [millimeters].  
Standard dimension tolerance is ±0.010 [0.25] unless otherwise noted.

Pin	Function	Description
1	N/C	No Connection
2	TXFL1	Transmit Signal 1
3	TXFL2	Transmit Signal 2
4	ATTEN	Receive Attenuation, Receive Mode Select
5	PGA1	Receive Signal Output 1
6	PGA2	Receive Signal Output 2
7	RCV2	Receive Signal Input 2
8	RCV1	Receive Signal Input 1
9	LO1	Transmit Signal Output 1
10	LO2	Transmit Signal Output 2
11	+5A	+5VA Analog Supply Voltage
12	AGND	Analog Circuit Ground

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