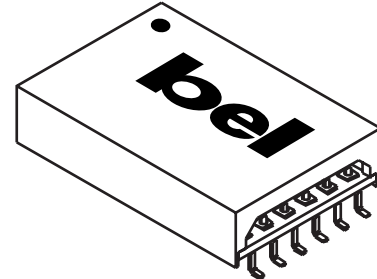


DSL Network Module

HDSL/MSDSL EC-DSL

VAP00104

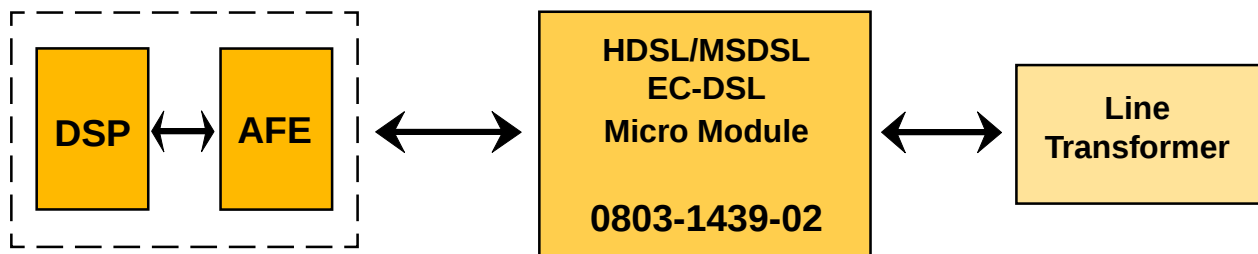
- Complete miniaturized analog transmitter and receiver for HDSL/MSDSL applications
- +13 dBm differential transmit signal power into a 135 Ω termination
- Operating temperature -40° to 85° C
- Single power supply voltage
- Low power dissipation
- Surface mount packaging



ELECTRICAL SPECIFICATIONS AT 25° C

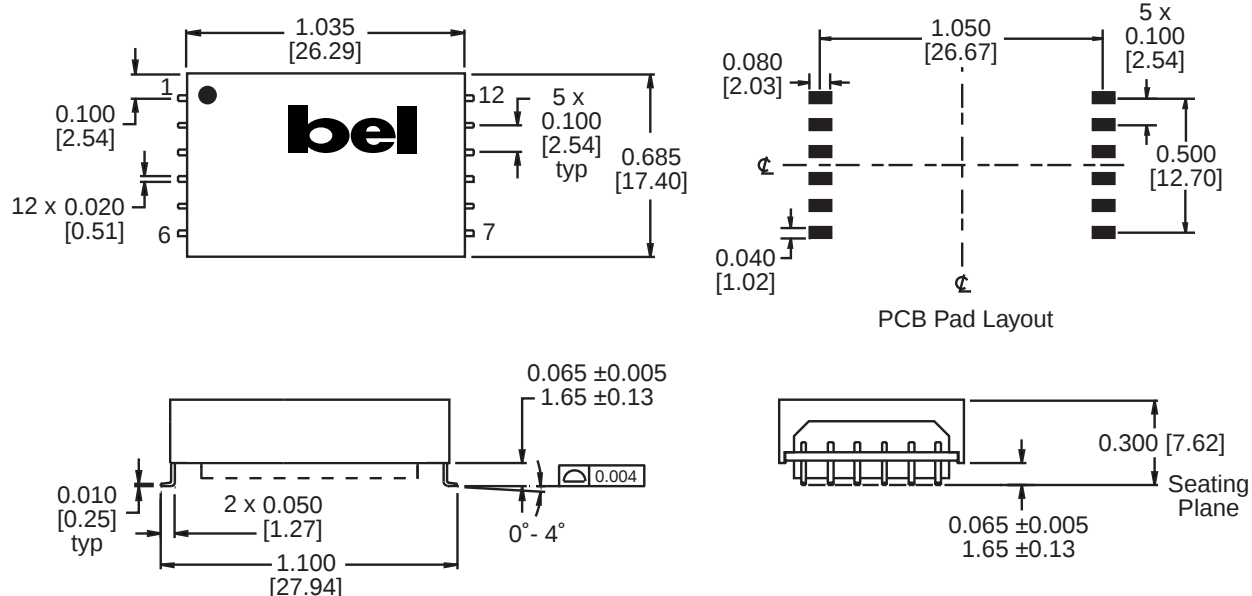
0803-1439-02	Min	Max
Absolute Maximum Ratings		
Power supply voltage to AGND	-0.3V	+6.0V
Storage temperature	-40° C	+125° C
Recommended Maximum Operating Conditions		
Power supply voltage	+4.75V	+5.25V
Operating temperature (non condensing)	-40° C	+85° C
EDS Threshold (Highest Passing Voltage)		
Human body model (all pins)	> 500V	
General Characteristics		
Transmit path gain variation (laser trimmed)	----	±0.25dB
Power dissipation (varies with baud rate)	350 mW typ	
Package type	12-pin SMD	

BLOCK DIAGRAM



MECHANICAL

0803-1439-02



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

Pin	Function	Description
1	AGND	Analog Circuit Ground
2	TXFL1	Transmit Signal 1
3	TXFL2	Transmit Signal 2
4	N/C	No Connection
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	N/C	No Connection

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