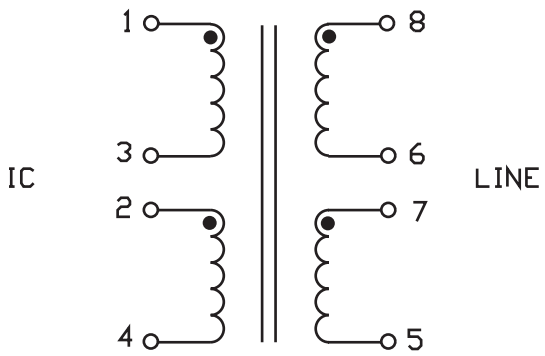
VDSL MAGNETICS

S560-6600-MJ

SCHEMATIC



LONGITUDINAL BALANCE: 25kHz - 8.8MHz	60 dB MIN
INSERTION LOSS: 25kHz - 8.8MHz	1 dB MAX
DC Unbalance Current:	2mA MAX
TOTAL HARMONIC DISTORTION 2V, 25kHz - 8.8MHz	-75 dB MAX

ELECTRICAL CHARACTERISTICS (@25°C)

NOMINAL TURNS RATIO:	
(1-4) : (8-5) CONNECT TERMINALS 2 TO 3 & 6 TO 7	1 : 3
DC RESISTANCE:	
(1-4)	0.4 Ω MAX
(8-5) CONNECT TERMINALS 2 TO 3 & 6 TO 7	1.4 Ω MAX
INDUCTANCE @ 10 kHz, 0.1 Vrms:	
(8-5) CONNECT TERMINALS 6 TO 7	340 µH ± 10%
LEAKAGE INDUCTANCE:	
(8-5) CONNECT TERMINALS 6 TO 7 SHORT TERMINALS 1,2,3 & 4	1.4µH MAX
INTER WINDING CAPACITANCE:	
BETWEEN (1-4) & (8-5) CONNECT TERMINALS 2 TO 3 AND 6 TO 7	25pF MAX
MINIMUM DIELECTRIC RATING:	
BETWEEN (1-4) & (8-5) CONNECT TERMINALS 2 TO 3 & 6 TO 7	1500 Vrms, 1 MINUTE

DESIGNED TO COMPLY WITH EN60950, IEC60950, CSA950
AS/NZ3260 WITH FUNCTIONAL INSULATION.

OPERATING TEMPERATURE RANGE: -40°C TO +85°C

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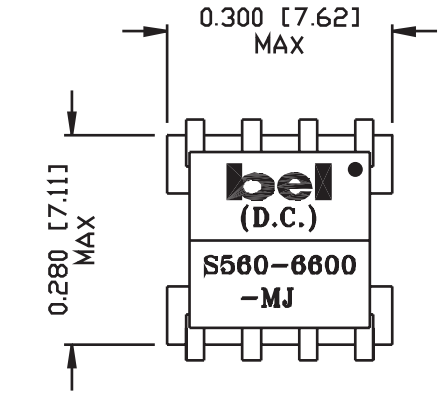
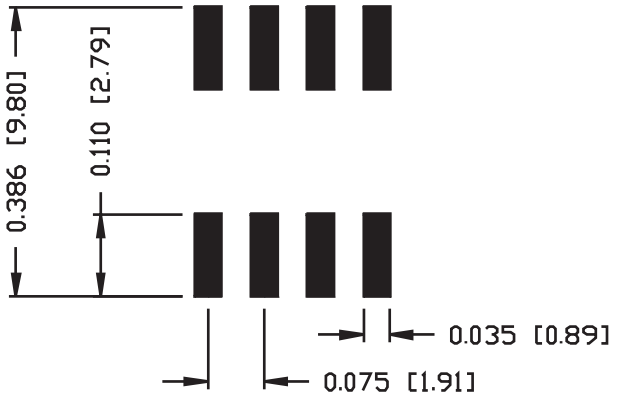
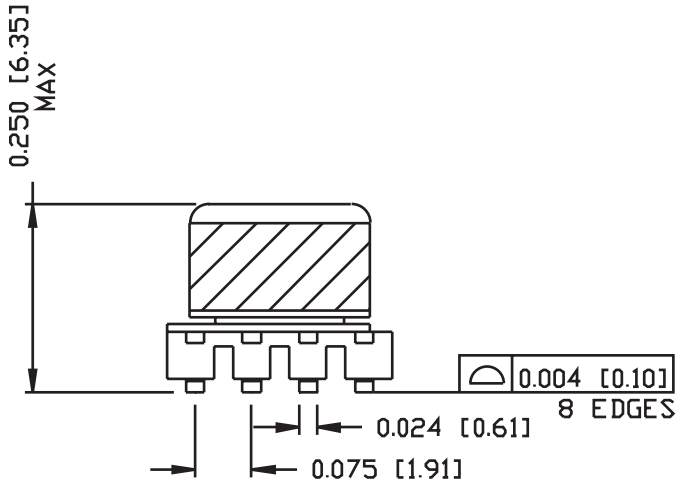
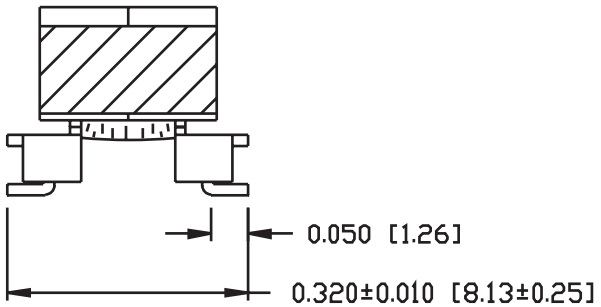


SUGGESTED PAD LAYOUT







NOTES:

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.