

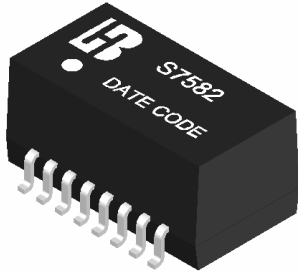


S7582

ATM 25MBPS FILTER/MAGNETIC MODULES AND TRANSFORMER

P/N:S7582 DATA SHEET

Feature



- For UTP and STP Surface mount applications
- Designed to meet ATM 25.6 PHY specifications including low frequency cutoff
- IC grade transfer-molded package withstands 235 peak IR temperature profile
- UTP 100 O transmission cable
- Operation temperature range: 0°C to +70°C.
- Storage temperature range: -25 to +125 .

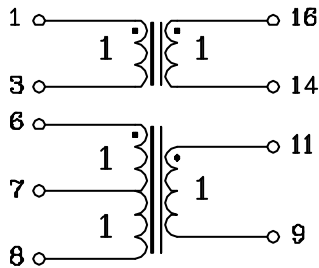
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min)	L.L (uH Max)	C _{ww} (pF Max)	DCR (Max)
	TX	RX				
S7582	1:1	1CT:1	3000	1.6	55	1.3

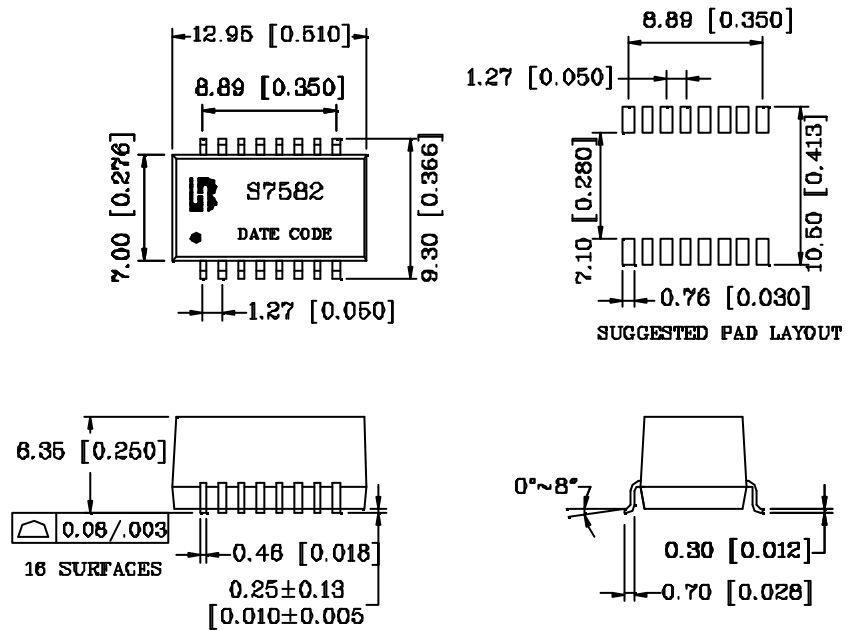
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Part Number	Return Loss (dB Min)		Insertion Loss (dB Max)				Cross talk (dB Min)		HI-POT (Vrms)
	1-17MHz	17-25MHz	12KHz	16MHz	24MHz	36MHz	16MHz	24MHz	
S7582	-15	-9	-1.5	-0.7	-1.5	-3.0	-45	-40	1500

Schematic



Mechanical



Units: mm [Inches] Tolerances: xx. x0±0.25 [0.010] 0. xx±0.05 [0.002]