

FEATURES:

- Designed for Ethernet 10G BASE-T applications
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3an standard for 10G BASE-T
- Recognized By UL 60950-1

YUAN DEAN SCIENTIFIC

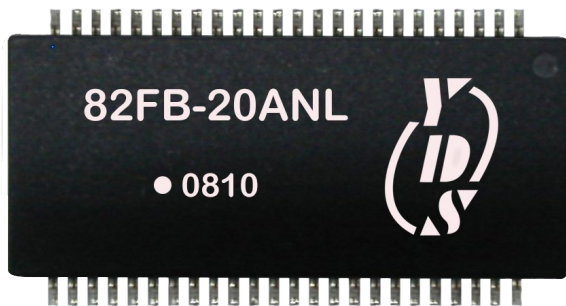


LAN Filters

Dual Port SERIES

10G Base-T

48PIN SMD



ELECTRICAL SPECIFICATIONS@25°C
Operating temperature 0°C TO 70°C

Part Number	Turns Ratio (±5%)	OCL (uH MIN)	Crosstalk (dB TYP)		Common Mode Rejection (dB TYP)			Comm. TO Diff. Rejection (dB TYP)			Hipot (Vrms)
			1-100 MHz	100-500 MHz	1-100 MHz	100-300 MHz	300-500 MHz	1-100 MHz	100-300 MHz	300-500 MHz	
	-----	100KHz/0.1V									@60Hz
82FB-20ANL	1CT:1CT	120	-40	-30	-37	-30	-25	-40	-30	-25	1500

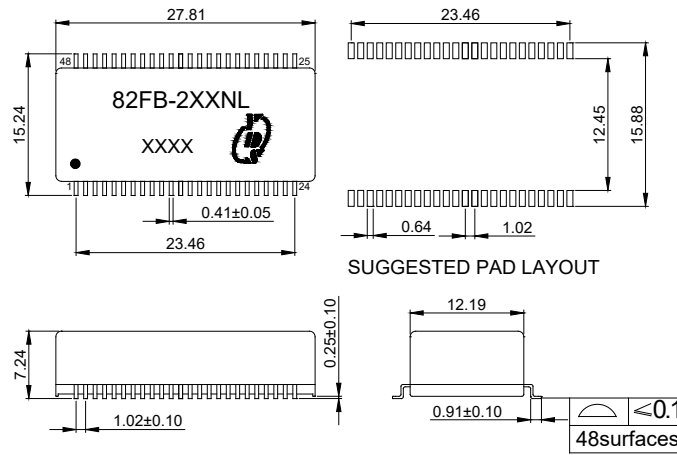
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Part Number	Insertion Loss (dB MAX)		Return Loss(PHY-Side) (dB MIN)@100Ω±15Ω			Return Loss(LINE-Side) (dB MIN)@100Ω±15Ω		
	0.1 MHz	1-400 MHz	1 MHz	2-100 MHz	100-500 MHz	1-40 MHz	40-400 MHz	400-500 MHz
82FB-20ANL	-3	-1	-23	-25	-12+21.6log(f/400)	-23	-23+10log(f/40)	-13+30log(f/400)



Mechanicals and Dimensions

82FB-2X(Bottom Potting)



UNIT:mm Unless otherwise specified,all tolerances are ± 0.25

Schematics

82FB-20

