

# TELECOM TRANSFORMERS AEFD,ER SERIES



## FEATURES

High inductance.  
Low leakage inductance  
Low interwind capacitance  
Compact size and Surface-mounted  
Designed to meet UL, CSA, VDE, BABT safety standard

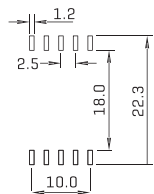
## OPTIONS

Tape and reel is standard  
Bulk packaging available for Smaller quantities  
Custom design available  
Tolerance: 5% is standard, tight FATER available  
SMD EFD 25/30 available

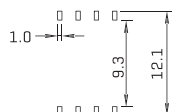
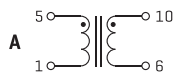
## COMMON APPLICATIONS

Modem  
Fax machine, Hub  
ISDN, ADSL, HDSL, PABX  
Other telecommunication facilities etc  
Switching power supplies  
AC-DC, DC-DC converters

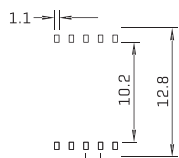
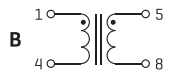
## TECHNICAL INFORMATION



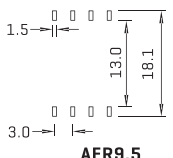
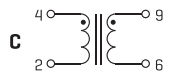
AEFD12



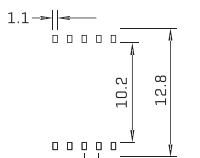
AEFD15



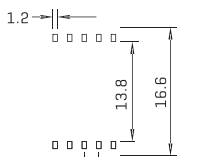
AEFD20



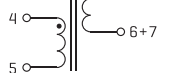
AER9.5



AER11.5



AER14.5

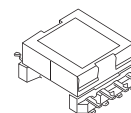
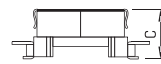
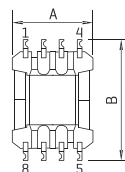


ALL DIMENSIONS IN MM

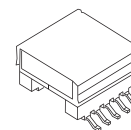
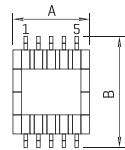
## ELECTRICAL CHARACTERISTICS

Part No.	Inductance (10kHz/0.1V Typ)	Turn Ratio	DCR(Ωmax)	Hi-pot (Pri-Sec)	Schematic
AEFD12	27 μH ±10% (3-4)	0.74:1.0.71(3-4:1-2:6-5)	0.21:1.15:0.35(3-4:1-2:6-5)	1250VAC	D
AEFD15	4.0mH±6%(1-5=10-6)	1:1(1-5:10-6)	6.25:6.25(1-5:10-6)	1000VDC	A
AEFD20	20mH±6%(1-5 tie 10+6)	1:1(1-5:10-6)	5.5:5.5(1-5:10-6)	1000VDC	A
AER9.5	200μH Typ.(1-4)	1:1(1-4:5-8)	0.12:0.132(1-4:5-8)	1000VDC	B
AER11.5	58μH±10% (4-2)	1:2(4-2:9-6)	0.35:1.75(4-2:9-6)	500VAC	C
AER14.5	14.4μH±10%(1-3)	1:1:1(1-3:4-5:10-6)	0.063:0.28:0.066(1-3:4-5:10+9-6+7)	500AC	E

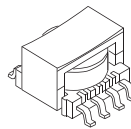
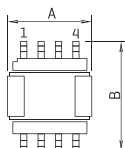
## PHYSICAL CHARACTERISTICS



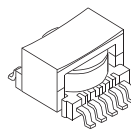
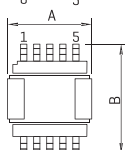
AEFD12



AEFD15



AER9.5



AER11.5

Part No.	AEFD12	AEFD15	AEFD20	AER9.5	AER11.5	AER14.5
A	14.0max	16.5max	22.0max	10.5max	12.2max	15.2max
B	21.5max	22.3max	26.0max	12.1max	12.7max	16.5max
C	7.4max	8.6max	11.4max	6.2max	6.5max	7.2max