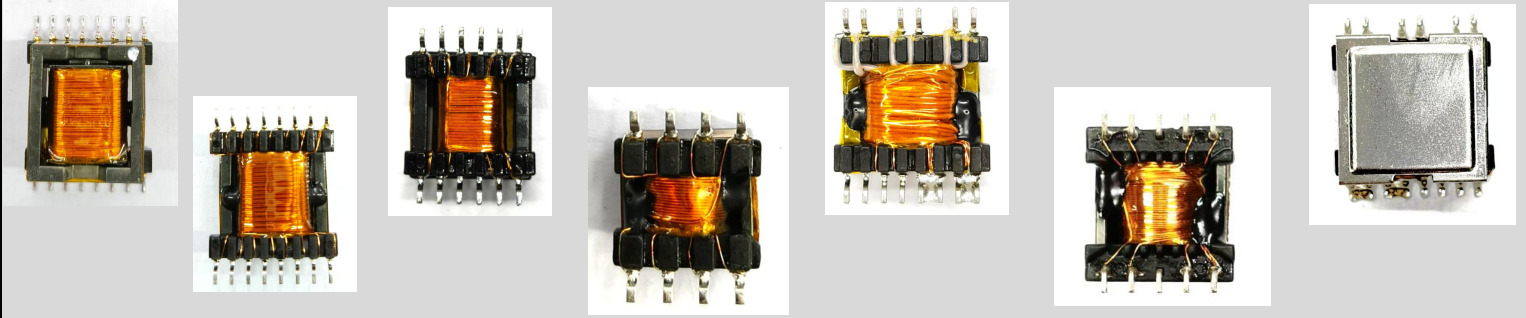




MID-PoE

Power Over Ethernet Transformers



Characteristics

- .Optimized for IEEE 802.3af, at and bt applications
- .Flat top for pick and place operation onSMD parts
- .Small size
- .Custom designs available
- .Cost effective
- .Up to 1875V. isolation
- .Low resistance

Applications

- .PoE powered devices/IP
- .IP phones
- .Wireless data systems
- .WLAN access points
- .Security cameras
- .information displays

EP7 Electrical Properties

OrderCode	Mount	L(uH)	DCR (mΩ) MAX.	DCR (mΩ) MAX.	DCR (mΩ) MAX.	DCR (mΩ) MAX.	N _{pa1} : N _{seC} : N _{anx}	f _{svCh} (kHz)
YLEP7	SMD	57 MIN.	165	216	370	400	1:1.25:1.875	100
YLEP7	SMD	260 MIN.	500	600	600		1:1.1:1.1	1

EP10 Electrical Properties

OrderCode	Mount	L(uH)	DCR (mΩ) MAX.	DCR (mΩ) MAX.	DCR (mΩ) MAX.	DCR (mΩ) MAX.	N _{pa1} : N _{seC} : N _{anx}	f _{svCh} (kHz)
YLEP10	SMD	55±10%	185	424	491		1:1.2:1.2	100
YLEP10	SMD	265MIN.	160	170	190		1:1:1	1

EP13 Electrical Properties

OrderCode	Mount	L(uH)	DCR (mΩ) MAX.	DCR (mΩ) MAX.	DCR (Ω) MAX.	DCR (Ω) MAX.	N _{pa1} : N _{seC} : N _{anx}	f _{svCh} (kHz)
YLEP13	SMD	50±10%	138	1000	1	1.2	1:2.9:1.6	100

EFD15 Electrical Properties

OrderCode	Mount	L(uH)	DCR (mΩ) MAX.	DCR (mΩ) MAX.	DCR (Ω) MAX.	DCR (Ω) MAX.	N _{pa1} : N _{seC} : N _{anx}	f _{svCh} (kHz)
EFD15	SMD	330±10%	651	168	135	205	1:0.24:0.16:0.24	1
EFD15	SMD	400±10%	661	168	115	162	1:0.24:0.22:0.14	1
EFD15	SMD	115±25%	150	410	330		1:1.6:1.6	100

EFD20 Electrical Properties

OrderCode	Mount	L(uH)	DCR (mΩ) MAX.	DCR (mΩ) MAX.	DCR (Ω) MAX.	DCR (Ω) MAX.	DCR (Ω) MAX.	DCR (Ω) MAX.	DCR (Ω) MAX.	N _{pa1} : N _{seC} : N _{anx}	f _{svCh} (kHz)
YLEFD20	SMD	400-450	355	446	460	470	470	496	422	1:0.32:0.27	1
YLEFD20	SMD	33 MIN.	500	500	40	500	500			1:1.83:1.83:	100
YLEFD20	SMD	20-26	236	186	190					1:0.87:0.87	1

.Suitable for PoE IC's like
LTC4267,LT4276,TPS23753
A,TPS23751,TPS23754,TPS
2378,TPS2379