



EFD20 series

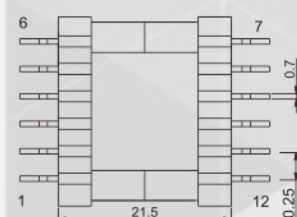
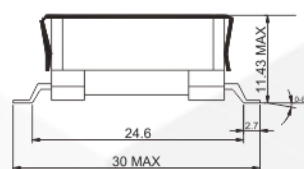
SMT flyback transformer for 30Watt PoE Application

- Designed to meet 3 PoE IEEE 802.3at-2009 standard
- Operates at 250 kHz with 36~72 Volts input.
- Isolation: 1500 Vrms, one minute pri to sec; 500 Vrms pri to aux
- Ambient temperature -40°C to +125°C
- Storage temperature Component: -40°C to +125°C.
- Tape and reel packaging: -40°C to +80°C
- Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

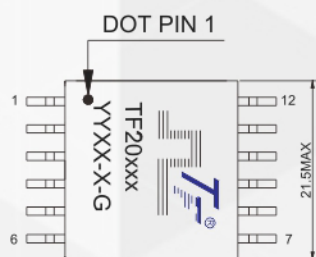


to room temperature between cycles							Turns ration			pri:drive	Output	Drive Output	Type
Model number	Power(W)	Inductance at 0 A ² ±10%(uH)	DCR max(Ohms)				Leakage inductance max(uH)	pri:sec	pri:bias				
			Pri	Sec	Bias	Driver							
TF20034	30	42	0.195	0.005	0.195	N/A	3.00	1:0.09	1:0.33	N/A	3.3V,9A	N/A	1
TF20035	30	42	0.095	0.005	0.150	N/A	1.60	1:0.14	1:0.33	N/A	5.0V,6A	N/A	1
TF20036	30	42	0.138	0.007	0.180	N/A	0.545	1:0.33	1:0.33	N/A	12V,2.5A	N/A	1
TF20037	30	42	0.130	0.009	0.165	N/A	0.430	1:0.56	1:0.33	N/A	19.5V,1.5A	N/A	1
TF20038	30	42	0.095	0.017	0.150	N/A	0.310	1:0.67	1:0.33	N/A	24V,1.25A	N/A	1
TF20042	22.5	62	0.107	0.004	0.122	0.060	2.0	1:0.125	1:0.29	0.125	5V,4.5A	5V,10mA	2

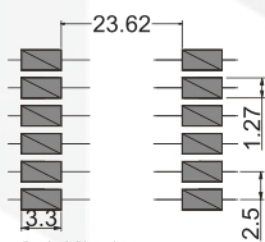
Mechanicals



BOTTOM VIEW

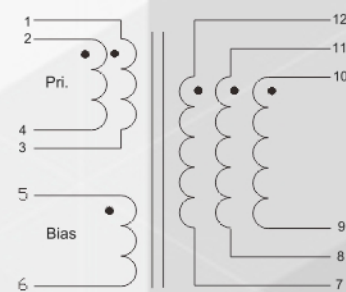


TOP VIEW

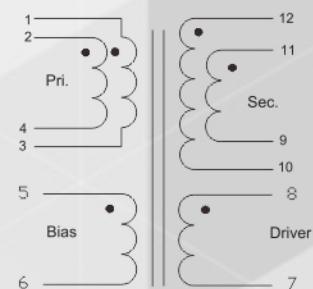
Terminal Dimensions
Customer determine PCB pad dimensions

Mark:
1:TF20xxx----Model number
2:YYWW----Internal code
3:X----Product line
4:G----ROHS

Schomatic



Type1

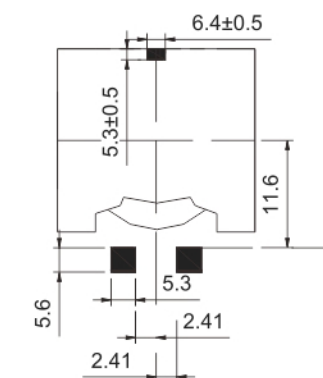
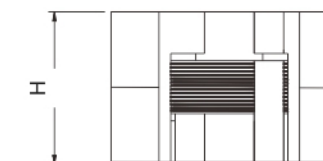
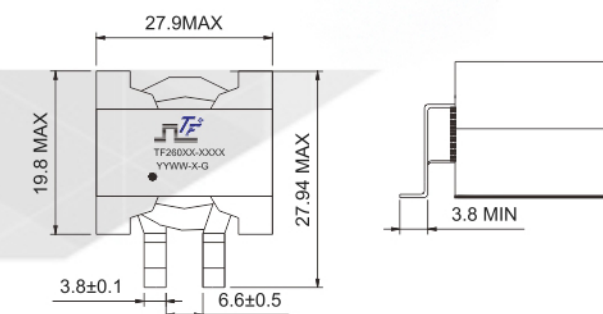


Type2

Flat Coil Power Inductors
PQ26 series

- Ambient temperature -40°C to +85°C
- Storage temperature Component: -40°C to +125°C.
- Tape and reel packaging: -40°C to +80°C

Model number	Inductance at 0 A ² ±10%(uH)	DCR max(mOhms)	SRF(MHZ)
TF26015-152B	1.5uH	1.65	60
TF26015-222A	2.2uH	2.05	40
TF26015-222B	2.2uH	1.65	50
TF26018-332A	3.3uH	2.86	40
TF26015-332A	3.3uH	2.05	30
TF26015-332B	3.3uH	1.65	40
TF26018-472A	4.7uH	2.86	30
TF26015-472A	4.7uH	2.05	25
TF26015-472B	4.7uH	1.65	30
TF26018-682A	6.8uH	2.86	25
TF26015-682A	6.8uH	2.05	20
TF26015-682B	6.8uH	1.65	25
TF26018-103A	10uH	2.86	20
TF26015-103A	10uH	2.05	15
TF26015-103B	10uH	1.65	20
TF26018-153A	15uH	2.86	16
TF26015-153A	15uH	2.05	12
TF26015-153B	15uH	1.65	15
TF26018-223A	22uH	2.86	20
TF26015-223A	22uH	2.05	15
TF26015-223B	22uH	1.65	20
TF26018-333A	33uH	2.86	10
TF26015-333A	33uH	2.05	8
TF26015-333B	33uH	1.65	7



Mark:
1:TF260XX-XXX X----Model number
1 2 3
XX=H H=15 H=18
XXX=Inductance Specification
2:YYWW----Internal code
3:X----Product line
4:G----ROHS