

Shape and Size : (Dimensions in mm)



Features :

- Low height : 7.9mm Max.
- High application frequency : up to 900KHz
- Power rating : up to 250W.
- Wide operating temperature range:-40~130C.
- Various topologies are available.
- Dielectric strength: Primary to Secondary& core @1800Vdc.
- All materials are RoHs compliant.
- Customized designs are welcome.

Applications:

- Telecommunication power supply.
- Network power supply.
- Industrial control power supply.
- Other occasions for high power density and reliability.

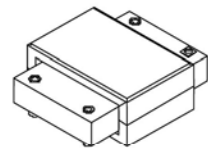


Fig1

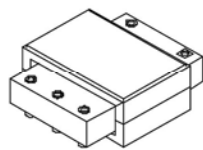
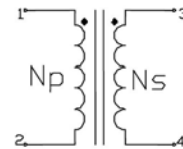
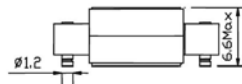
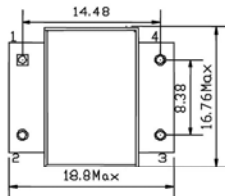


Fig2

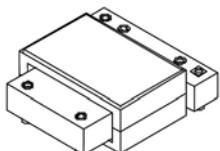
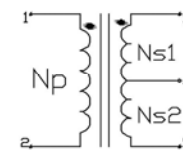
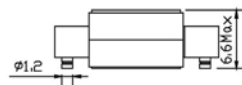
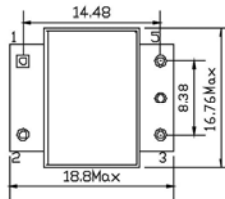


Fig3

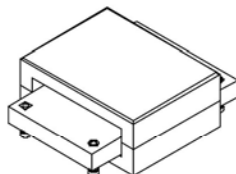
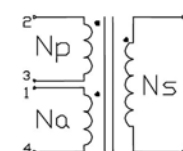
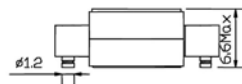
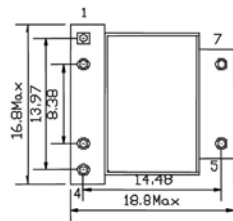


Fig4

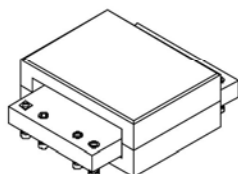
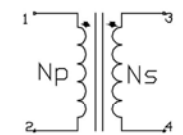
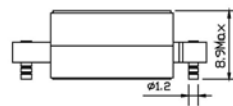
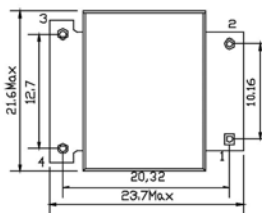
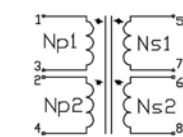
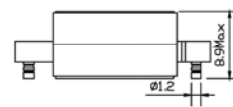
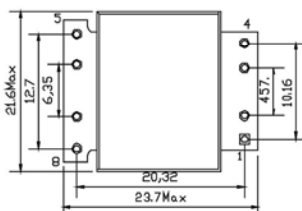


Fig5



Part No.	Turn ratio	Primary Inductance(μH)	Leakage Inductance (μH)Max.	DCR($\text{m}\Omega$)Max.		Outline,Dimensions (mm) and schematic
				$N_p=40$	$N_s=10$	
SMTER15-6T3T	$N_p:N_s=6T:3T$	$N_p=60\mu\text{H}\pm 30\%$	$L_k=0.3\mu\text{H}$	$N_p=40$	$N_s=10$	fig1
SMTER15-12T2T	$N_p:N_s=12T:2T$	$N_p=240\mu\text{H}\pm 30\%$	$L_k=0.55\mu\text{H}$	$N_p=80$	$N_s=3.5$	fg1
SMTER15-12T3T	$N_p:N_s=12T:3T$	$N_p=240\mu\text{H}\pm 30\%$	$L_k=0.55\mu\text{H}$	$N_p=100$	$N_s=8$	fig1
SMTER15-12T8T	$N_p:N_s=12T:8T$	$N_p=240\mu\text{H}\pm 30\%$	$L_k=0.5\mu\text{H}$	$N_p=80$	$N_s=50$	fig1
SMTER15-6T2CT	$N_p:N_{s1}:N_{s2}=6T:1T:1T$	$N_p=60\mu\text{H}\pm 30\%$	$L_k=0.3\mu\text{H}$	$N_p=40$	$N_{s1},N_{s2}=3.0$	fig2
SMTER15-6T8CT	$N_p:N_{s1}:N_{s2}=6T:4T:4T$	$N_p=60\mu\text{H}\pm 30\%$	$L_k=0.5\mu\text{H}$	$N_p=30$	$N_{s1},N_{s2}=30$	fig2
SMTER15-6T12CT	$N_p:N_{s1}:N_{s2}=6T:6T:6T$	$N_p=60\mu\text{H}\pm 30\%$	$L_k=0.5\mu\text{H}$	$N_p=20$	$N_{s1},N_{s2}=100$	fig2
SMTER15-12T6CT	$N_p:N_{s1}:N_{s2}=12T:3T:3T$	$N_p=240\mu\text{H}\pm 30\%$	$L_k=0.5\mu\text{H}$	$N_p=80$	$N_{s1},N_{s2}=20$	fig2
SMTER15-12T12CT	$N_p:N_{s1}:N_{s2}=12T:6T:6T$	$N_p=240\mu\text{H}\pm 30\%$	$L_k=0.5\mu\text{H}$	$N_p=80$	$N_{s1},N_{s2}=100$	fig2
SMTER15-12T4T/2T	$N_p:N_a:N_s=12T:4T:2T$	$N_p=270\mu\text{H}\pm 30\%$	$L_k=0.5\mu\text{H}$	$N_p=80$ $N_a=30$	$N_s=3.0$	fig3
SMTER15-12T4T/3T	$N_p:N_{s1}:N_{s2}=12T:4T:3T$	$N_p=240\mu\text{H}\pm 30\%$	$L_k=0.5\mu\text{H}$	$N_p=30$ $N_a=80$	$N_s=5.8$	fig3

SMTER19-6T8T	$N_p:N_s=6T:8T$	$N_p=46\mu\text{H}\sim 68\mu\text{H}$	$L_k=0.20\mu\text{H}$	$N_p=18$	$N_s=25$	fig4
SMTER19-8T10T	$N_{p1}:N_{p2}:N_{s1}N_{s2}=4T:4T:5T:5T$	$N_p=210\mu\text{H}\sim 405\mu\text{H}$ (N_{p1} & N_{p2} in series)	$L_k=0.20\mu\text{H}$ (N_{p1} & N_{p2} in series, N_{s1},N_{s2} shorted)	$N_{p1},N_{p2}=30$	$N_{s1},N_{s2}=51$	fig5
SMTER19-8T4T	$N_{p1}:N_{p2}:N_{s1}N_{s2}=4T:4T:2T:2T$	$N_p=140\mu\text{H}$ Min (N_{p1} & N_{p2} in series)	$L_k=0.30\mu\text{H}$ (N_{p1} & N_{p2} in series, N_{s1},N_{s2} shorted)	$N_{p1},N_{p2}=30$	$N_{s1},N_{s2}=3.9$	fig5
SMTER19-8T8T	$N_{p1}:N_{p2}:N_{s1}N_{s2}=4T:4T:4T:4T$	$N_p=140\mu\text{H}$ Min (N_{p1} & N_{p2} in series)	$L_k=0.40\mu\text{H}$ (N_{p1} & N_{p2} in series, N_{s1},N_{s2} shorted)	$N_{p1},N_{p2}=30$	$N_{s1},N_{s2}=30$	fig5