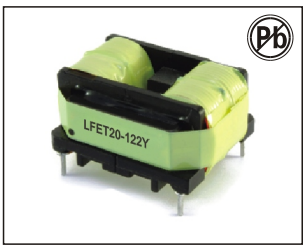
THT INTEGRATED COMMON MODE AND DIFFERENTIAL MODE CHOKE

LFET20 SERIES



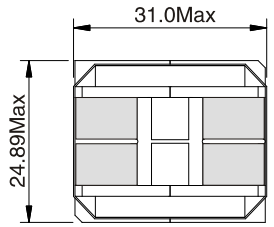
FEATURES:

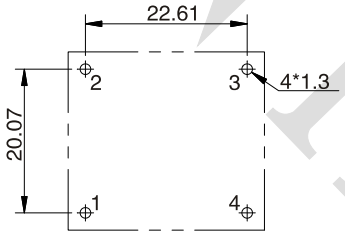
- Common Mode and Differential Mode Choke intergrated into a single component reducing overall losses and reducing footprint
- Dielectric Strength: 1500Vrms
- Common Mode Inductance: 0.28mH (3.5Arms) to 47mH (0.3Arms)
- Size (LxWxH): 31.0mm x 24.9mm x 16.5 mm Max
- Safety Spacing: 3.0mm creepage and clearance between windings, 1.5mm between windings and core

ELECTRICAL CHARACTERISTICS:

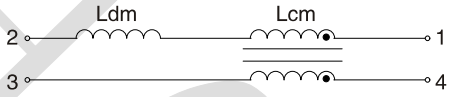
Part Number	L(mH) Min Common mode (1–2)=(4–3)	L(uH) Min Differential mode (1–4 with2,3 short)	DCR (mΩ)Max (1–2)=(4–3)	Irms (A)	Ipeak (A)
LFET20–281Y	0.28	55	32	3.5	4.6
LFET20–411Y	0.41	96	46	2.5	3.33
LFET20–122Y	1.25	320	120	1.5	2
LFET20–332Y	3.3	120	80	0.92	1.30
LFET20–452Y	4.5	685	245	1.0	1.33
LFET20–682Y	6.8	220	140	0.78	1.10
LFET20–103Y	10	330	190	0.53	0.75
LFET20–153Y	15	500	300	0.45	0.65
LFET20–273Y	27	900	450	0.35	0.50
LFET20–393Y	39	1250	610	0.32	0.45
LFET20–473Y	47	1500	750	0.30	0.42

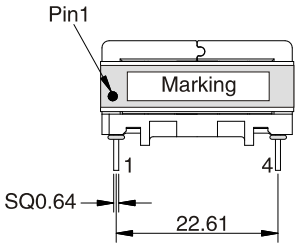
PHYSICAL CHARACTERISTICS & WINDING

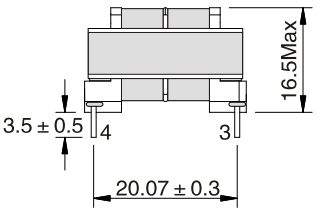




Recommended pad layout







Notes:

- The current rating (Irms) is based upon the temperature rise of the component and represents the rms current which will cause a typical temperature rise of 40℃
- The peak current is the current which will typically cause a 20% drop in the differential mode inductance. The peak current should not be exceeded in the application as it will reduce the CM and DM rejection of the component.
- The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.
- The LFET20 Series is designed to provide 3.0mm of safety spacing (creepage and clearance distance) between windings and 1.5mm of safety spacing (creepage and clearance distance) between both windings and core.
- All specifications subject to change without notice.