

## SMD COMMON MODE CHOKES FASQD50T,57T,75T,105,125T SERIES



### FEATURES:

High impedance for common mode noise and low impedance for differential mode signal.  
Large rated current available.  
Wide band or sharp type impedance curve available.

### APPLICATIONS:

Prevention of common mode noise on signal Lines and power lines for computer related or electronic products.

### GENERAL SPECIFICATIONS:

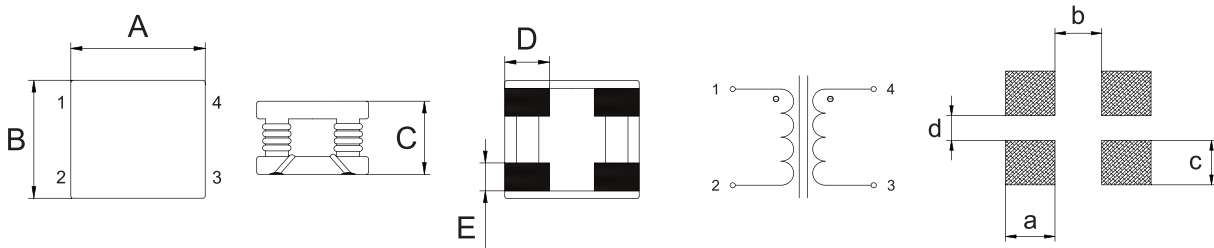
Rated current 0.5A to 6A.  
Turns ratio: N1:N2=1:1±2%.  
Impedance tolerance: Typ at 20°C.  
Operating temperature: -25°C to +125°C.  
Storage Temp: -0°C to +40°C.  
Resistance to Soldering Heat: 260°C for 10 sec.  
Temperature Rise: 40°C Typ. at Rated Current.  
All parts meet ROHS compliance.

### ELECTRICAL CHARACTERISTICS

Stamp	FASQD50T			FASQD57T			FASQD75T			FASQD105T			FASQD125T		
	Impedance (Ω) Typ @100MHz	Rated current (A)	D.C.R (mΩ) Max at 20°C	Impedance (Ω) Typ @100MHz	Rated current (A)	D.C.R (mΩ) Max at 20°C	Impedance (Ω) Typ @100MHz	Rated current (A)	D.C.R (mΩ) Max at 20°C	Impedance (Ω) Typ @100MHz	Rated current (A)	D.C.R (mΩ) Max at 20°C	Impedance (Ω) Typ @100MHz	Rated current (A)	D.C.R (mΩ) Max at 20°C
1T				150	1.0	50									
2T				350	0.5	70	200	2.0	20				200	6.0	15
3T	600	4.0	50				300	1.5	25	600	4.0	50	300	5.5	20
4T	700	3.0	55				600	1.0	45	700	3.0	55	400	5.0	25

### TECHNICAL INFORMATION

### ELECTRICAL SCHEMATIC & PAD LAYOUT



### DIMENSIONS:MM

Part number	A	B	C	D	E	a	b	c	d
FASQD50T	5.0±0.3	8.5±0.3	5.0±0.5	1.70 REF	2.90 REF	2.1 REF	1.2 REF	3.6 REF	1.8 REF
FASQD57T	5.7±0.3	4.6±0.3	1.7±0.5	2.10 REF	1.20 REF	2.5 REF	1.0 REF	1.6 REF	1.8 REF
FASQD75T	7.5±0.3	6.0±0.3	3.2±0.5	2.55 REF	1.80 REF	3.1 REF	1.5 REF	2.4 REF	1.0 REF
FASQD105T	10.0±0.3	8.0±0.3	5.0±0.5	2.55 REF	1.75 REF	4.2 REF	3.6 REF	3.0 REF	2.0 REF
FASQD125T	12.0±0.3	10.0±0.3	6.0±0.5	3.60 REF	2.35 REF	4.75 REF	4.5 REF	4.5 REF	3.0 REF