

## SMD COMMON MODE CHOKES FASRF5025 SERIES



### FEATURES:

Ferrite toroid core construction  
Magnetically shielded  
Enable common-mode noise  
suppression without  
influence signals

### APPLICATIONS:

EMI countermeasures at  
signal lines of personal  
computers, microcomputers  
peripheral devices etc  
Countermeasures against  
common-mode noise at  
composite video signals

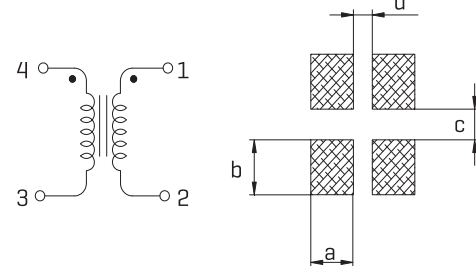
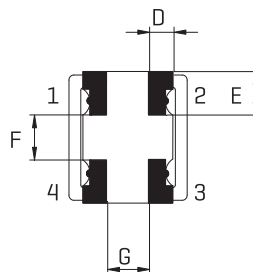
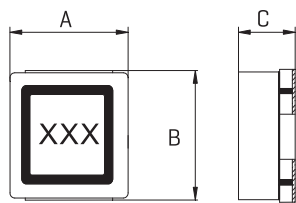
### GENERAL SPECIFICATIONS:

Rated current 1.5A to 6.5A  
Turns ratio: N1:N2=1:1 ± 2%  
Parameters Test Temp: 20°C  
Operating temperature: -40°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

Part Number	Impedance [Ω]Typ	Test Frequency	D.C. Resistor [mΩ]40% at 20°C	Rated current [A]	Rated Voltage [V]Max	Withstand Voltage [V]	Insulation Resistance [mΩ]Min
FASRF5025-101	100	100MHz	9	6.5	50	50	125
FASRF5025-251	250	100MHz	14	5.0	50	50	125
FASRF5025-351	350	100MHz	28	4.0	50	50	125
FASRF5025-501	500	100MHz	19	4.0	50	50	125
FASRF5025-102	1000	100MHz	24	2.0	50	50	125
FASRF5025-142	1400	100MHz	40	1.5	50	50	125

### TECHNICAL INFORMATION



### ELECTRICAL SCHEMATIC & PAD LAYOUT

### DIMENSIONS:MM

Part number	A	B	C	D	E	F	G	a	b	c	d
FASRF5025	4.8±0.3	5.0±0.3	2.50 Max	1.25 REF	1.70 REF	1.60 REF	1.00 REF	1.80 REF	2.40 REF	1.20 REF	0.80 REF