



DISCRIPTION

FEATURES

Toroid core
Excellent Mechanical Strength
Excellent Solderability
High Reliability
Low Profile

OPTIONS

Tape & Reel is Standard (Qty:2000pcs)
Bulk Packing Available for smaller quantites
Tolerance: M=20% is Standard,
Tighter Tolerances Available

APPLICATIONS

DC/DC, AC/DC converter
Filter and Noise suppression
Communication System
Automotive Systems
Liquid Crystal Televisions
Network Systems
Computer Peripheral Equipment

PHYSICAL CHARACTERISTICS

- IDC Max: Determined when superimposed
- Inductance test: HP4284A 10KHz 0.1V
- RDC: QuadTech 1880 Milliohmometer
- Operating temperature: -40°C ~ +125°C
- Storage Temperature: -55°C ~ +125°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E

ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	3,0	mH	see Site 2
Q factor		Q	---		min.
DC-resistance		DCR typ.	---	Ω	typ.
DC-resistance		DCR max.	0,080	Ω	max.
Self-Res. Freq.		SRF	---	MHz	min.
Test-Freq.			10	KHz	
Rated Current		IDC	2,50	A	max.
Saturation Current		I SAT	---	A	max.

1. This electronic component is meant to be used in general electronic equipment. Before the incorporation of this component into any equipment with higher and more reliable requirements such as aviation, aerospace, submarine, nuclear control, transportation, transportation signal, disaster prevention, medical, public information network, etc. or if there is a possibility of injuries or damages to the human body, Edcon -Components must be informed before the stage of design-in. Evaluation checks for safety have to be performed on each electronic components used in electrical circuits that require high safety and reliability functions.

SMT TOROIDAL COMMON MODE CHOKES

Part No.: **S39009-302**

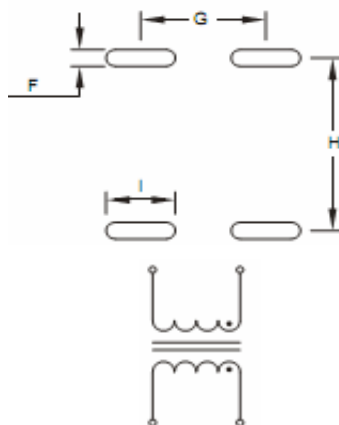
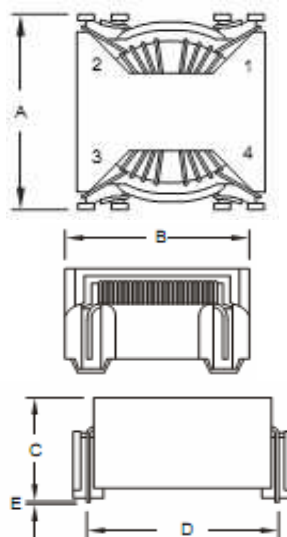
Customer:

DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	25.06.2009
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TECHNICAL INFORMATION

Dimensions (mm)

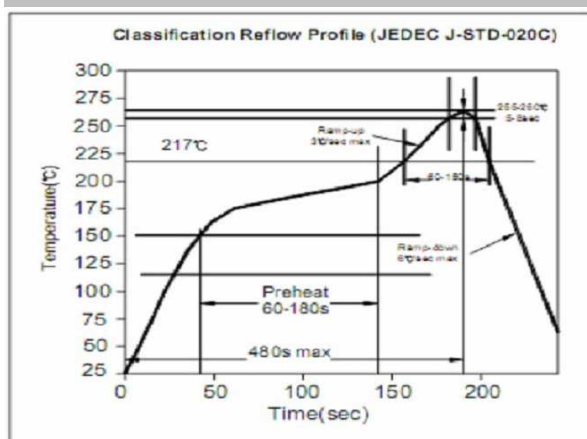


A	19,0 Typ
B	16,5 Typ
C	8,89
D	16,76
E	0,63
F	1,52
G	11,30
H	16,76
I	4,50

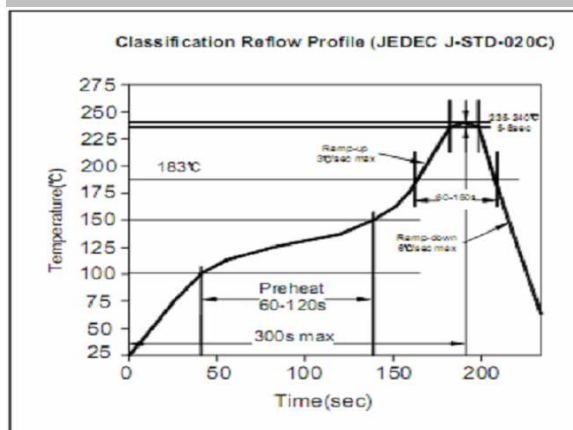
Ordering Information

Serie and Range	Tolerance	ROHS	Packing
S39009-302	M	R	TR
	K = 10%	R = ROHS	BU = Bulk Ware
	M = 20%	N = non ROHS	TR = Tape Reel
	Y = 25%		
	N = 30%		

Soldering Profile for Lead Free Soldering 255-260°C



Soldering Profile for Lead Free Soldering 235-240°C



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