



## DISCRIPTION

### FEATURES

LCP Base  
 High Frequency Design  
 Excellent Mechanical Strength  
 High Reliability  
 Low Profile

### OPTIONS

Tape & Reel is Standard ( Qty:2000pcs )  
 Bulk Packing Available for smaller quantities  
 Tolerance: J=5% and K=10% is Standard,  
 Tighter Tolerances Available

### APPLICATIONS

Datalline Noise Suppression  
 Video Cameras  
 Communication System  
 Automotive Systems  
 Liquid Crystal Televisions  
 Hard Disk Drives  
 Network Systems

### PHYSICAL CHARACTERISTICS

- Inductance Testing: 1KHz 1V HP4284A
- Z test with HP4191A or HP4395A
- RDC: QuadTech 1880 Milliohmeter
- Operating temperature:-40°C ~ +105°C
- Storage Temperature: -40°C ~ +105°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds

### ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Impedance		100 MHz	120	Ω	see Site 2
Q factor		Q	---		min.
DC-resistance		DCR typ.	---	Ω	typ.
DC-resistance		DCR max.	0,3	Ω	max.
Self-Res. Freq.		SRF	---	MHz	min.
Test-Freq.			1	KHz	
Rated Current		IDC	0,65	A	max.
Saturation Current		I SAT	---	A	max.
Wistanding Voltage		CH-901	100	VDC	
Insertion Loss		50 MHz	1,3 ± 0,5	dB	
		100 MHz	4,0 ± 1,5	dB	
		300 MHz	8,0 ± 2,0	dB	
		500 MHz	11,0 ± 3,0	dB	

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 COMMON MODE CHOKES

Part No.: **S39028-121**

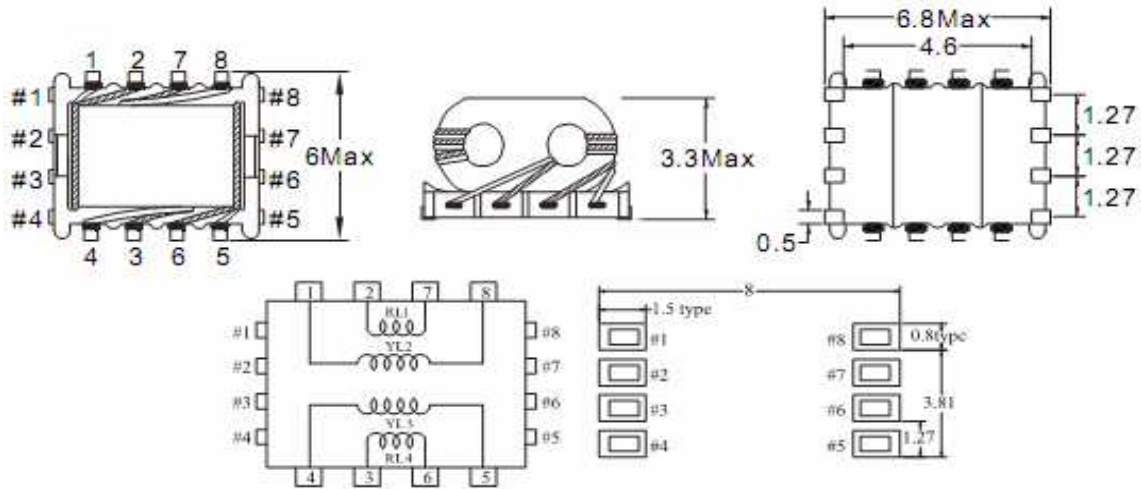
Customer:

DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	25.06.2009
APPD:	Pong			FINISH	Vienna	Sheet	1 from 2



## TECHNICAL INFORMATIONS

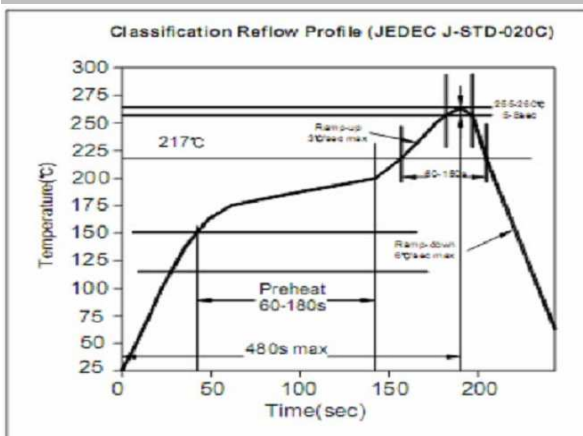
### Dimensions ( mm )



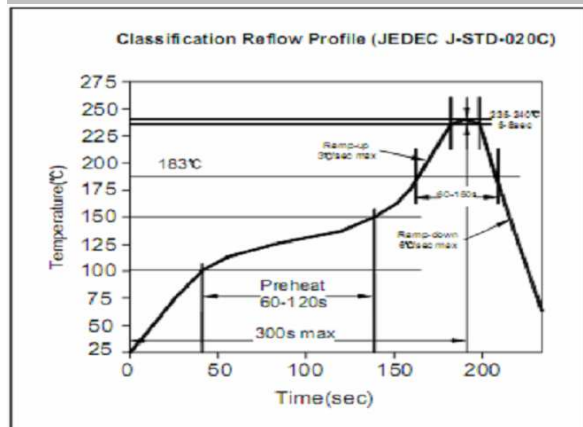
### Ordering Information

Serie and Range	Tolerance	ROHS	Packing
S39028-121	M	R	TR
	J = 5%	R = ROHS	BU = Bulk Ware
	K = 10%	N = non ROHS	TR = Tape Reel
	M = 20%		
	N = 30%		

### Soldering Profile for Lead Free Soldering 255-260°C



### Soldering Profile for Lead Free Soldering 235-240°C



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