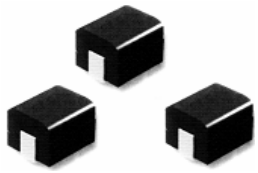


EDCON COMPONENTS
A MEMBER OF EDCON-GROUP

DISCRIPTION

FEATURES

Molded construction
Heat Resistance Molded Resin
Excellent Mechanical Strength
Excellent Solderability
High Reliability
Low Profile

OPTIONS

Tape & Reel is Standard (Qty: 2000 Pcs)
Bulk Packing Available for smaller quantites
Tolerance: J = 5% and K=10% is Standard,
tighter Tolerance available (MOQ on request)

APPLICATIONS

VCRs DC/DC Converts
Video Cameras CTV, VCR HIC
Communication System
Automotive Systems
LCD/PDP Televisions
Hard Disk Drives
Network Systems
Computer Peripheral Equipment

PHYSICAL CHARACTERISTICS

- Testing : (Equivalents acceptable) Q : .010 µH to .10 µH--HP4291A .12 µH to 100 µH--HP4285A
  SRF : .010 µH to .10 µH-- HP8720B .12 µH to 100 µH--HP4191A RDC : QuadTech 1880 mΩ
- Inductance : .010 µH to .10 µH--HP4291A : .12 µH to 100 µH--HP4285A
- Solderability : 90% Terminal coverage Preheat 230°C ± 5°C for 5 ± 5 seconds
  Flux : Methanol solution with 25% colophony
- IDC : The maximum DC value having L decrease within 10% and Temperature
  Increase only 20°C with the application of DC bias
- Operating Temperature : -40°C ~ +105°C
- Storage Temperature : -40°C ~ +105°C

ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		**L**	560	**nH**	**see Site 2**
Q factor		**Q**	30		**min.**
DC-resistance		**DCR typ.**	---	**Ω**	**typ.**
DC-resistance		**DCR max.**	0,75	**Ω**	**max.**
Self-Res. Freq.		**SRF**	300	**Mhz**	**min.**
Test-Freq.			25,2	**Mhz**	
Rated Current		**IDC**	325	**mA**	**max.**
Saturation Current		**Isat**	---	**mA**	**typ.**

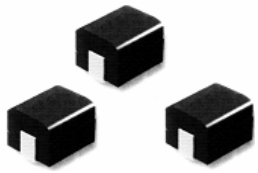
1. This electronic component is meant to be used in general electronic equipment. Before the incorporation of this component into any equipment with higher and more reliable requirements such as aviation, aerospace, submarine, nuclear control, transportation, transportation signal, disaster prevention, 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 WOUND MOLDED CHIP INDUCTORS

Part No.: **S14001-R56**

Customer:

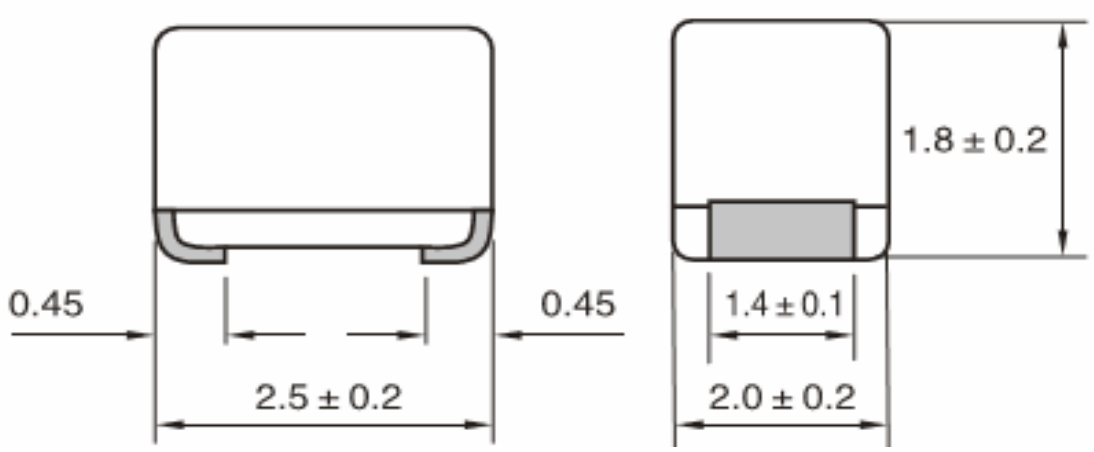
DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	09.06.2009
APPD:	Pong			FINISH	Vienna	Sheet	1 from 2



EDCON COMPONENTS
A MEMBER OF EDCON-GROUP

TECHNICAL INFORMATIONS

Dimensions (mm)

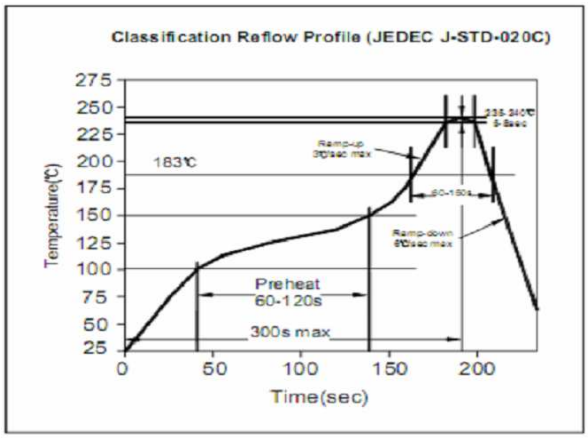


Ordering Information

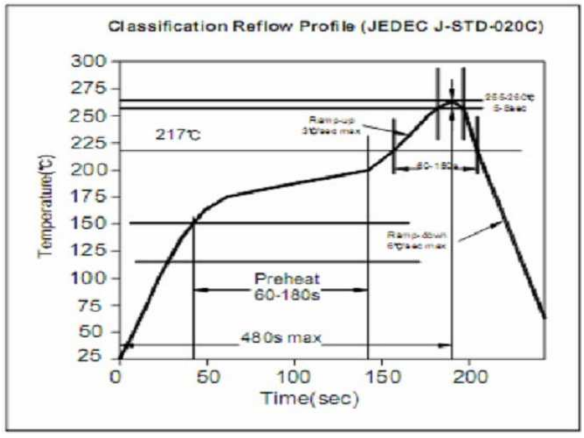
Serie and Range	Tolerance	ROHS	Packing
S14001-R56	K	R	TR

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 235-240°C



Soldering Profile for Lead Free Soldering 255-260°C



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