



## DISCRIPTION

### FEATURES

Ferrite  
High frequency design  
Excellent Q values  
Excellent SRF  
High reliability  
Excellent thermal stability

### OPTIONS

Tape & Reel is Standard ( Qty: 3.000 Pcs )  
Bulk Packing Available for smaller quantites  
Tolerance: J = 5% and K=10% is Standard,  
tighter Tolerance available ( MOQ on request )

### APPLICATIONS

Modems  
Mobile Radios  
Cordless Telephones  
Global Positioning Systems  
Telecommunications Systems

## PHYSICAL CHARACTERISTICS

- Testing : ( Equivalents acceptable ) Inductance & Q-HP4191A + HP4291A  
SRF : HP8553B ; RDC : 25°C
- Operating Temperature : -55°C ~ 85°C
- Pad metalization : Silver-nickel with 90/10 solder
- Solder methods : Wave, Reflow, Vapor Phase
- Solderability : Max 260°C for 10 seconds
- Marking : EIA color code

## ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	82	µH	see Site 2
Q factor		Q	25		min.
DC-resistance		DCR typ.	---	Ω	typ.
DC-resistance		DCR max.	5,6	Ω	max.
Self-Res. Freq.		SRF	13	Mhz	min.
Test-Freq.			2,52	Mhz	
Rated Current		IDC	100	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 WIRE-WOUND CHIP INDUCTORS

Part No.: **S12008-820**

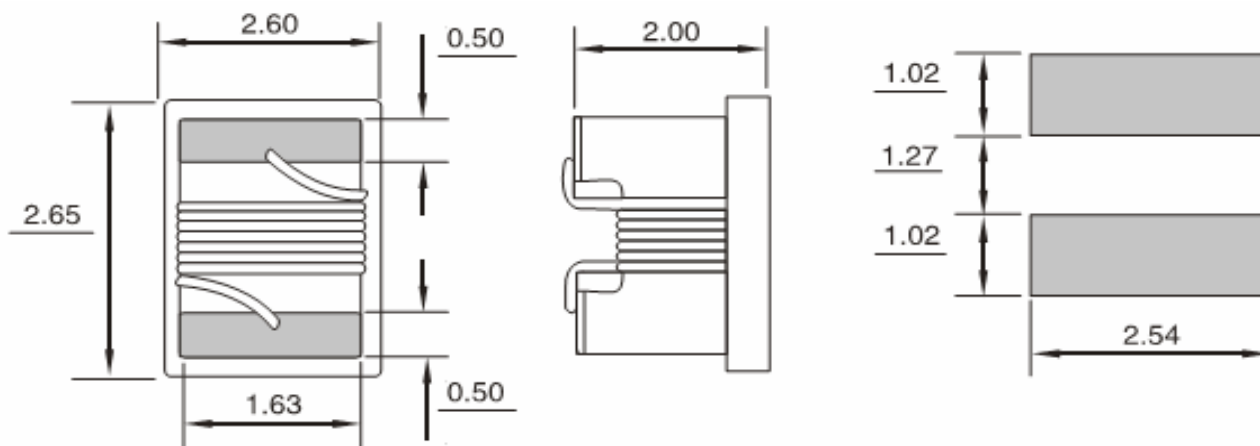
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## TECHNICAL INFORMATION

### Dimensions ( mm )



### Ordering Information

Serie and Range	Tolerance	ROHS	Packing
S12008-820	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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