



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	27	µH	see Site 2
Q factor		Q	25		min.
DC-resistance		DCR typ.	---	Ω	typ.
DC-resistance		DCR max.	2,6	Ω	max.
Self-Res. Freq.		SRF	30	Mhz	min.
Test-Freq.			2,52	Mhz	
Rated Current		IDC	180	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.: **S12008-270**

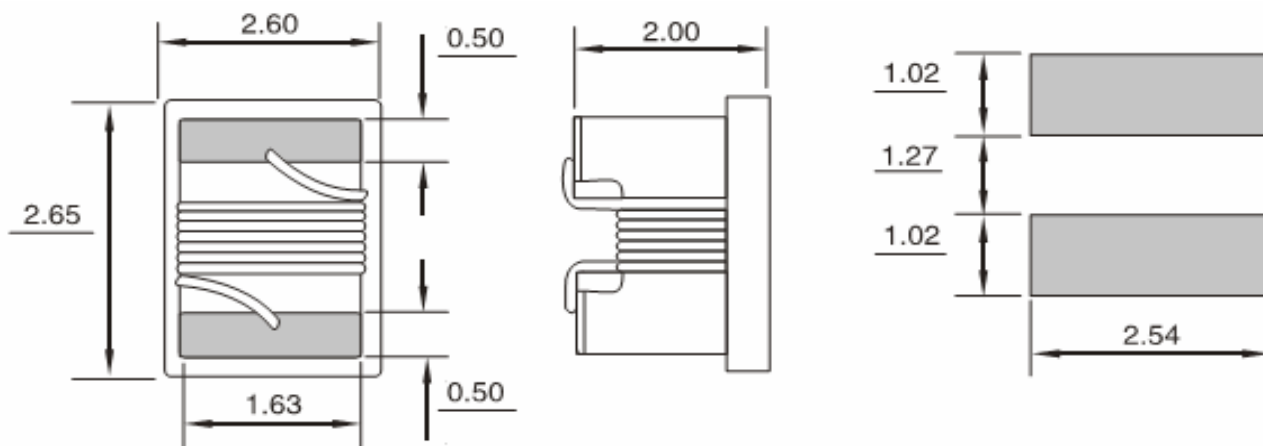
Customer:

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



TECHNICAL INFORMATION

Dimensions (mm)



Ordering Information

Serie and Range	Tolerance	ROHS	Packing
S12008-270	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



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.: **S12008-270**

Customer:

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