

Data Sheet



ICE Components, Inc.

Tel 678-560-9172 Fax 678-560-9304

cust.serv@icecomp.com

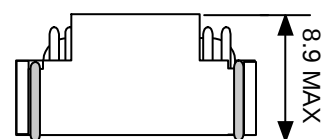
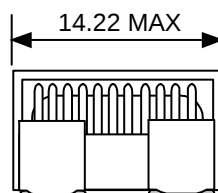
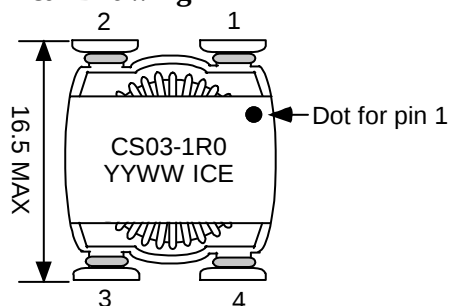
www.icecomponents.com

1165 Allgood Rd., Ste. #20, Marietta, GA 30062

General Information

Customer	
ICE P/N	CS03-1R0
Revision	0
Description	Common Mode Choke
Date	MAY-04-2015
Reference	--
Doc Control #	--
Issue (For ICE use only)	--

Mechanical Drawing



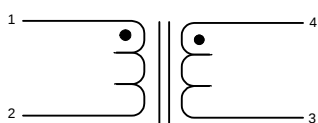
unit:mm

Specification

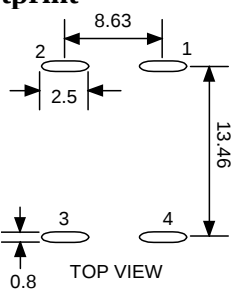
Sample Test Data

Item	Pins	Spec	Test Condition	
Inductance	1 - 2	0.7 ~ 1.47mH	10 kHz, 0.1Vrms,series	
Leakage Inductance	1 - 2 short (4 - 3)	5 uH max	100 kHz, 1Vrms,series	
DCR	1 - 2	60 mOhm max	25 deg C	
	4 - 3	60 mOhm max		
Voltage Ratio & Phasing Test	1 - 2	130 mV +/- 3 mV	10 kHz, i/p: (1 - 3) = 260mV, short (2 - 4)	
	4 - 3	130 mV +/- 3 mV		
Hi - Pot	Winding - Winding		3000Vac, 50/60Hz, 1mA, 1 second	
SRF	1 - 2	2 MHz Typ.		

Schematic

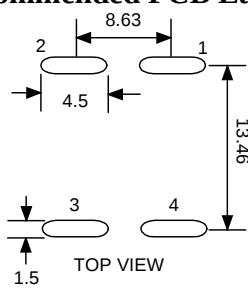


Footprint



unit:mm

Recommended PCB Layout



unit:mm

Remark

- 1) This is RoHS compliant product.
- 2) Operating range: -40degC to +130degC. This is a combination of ambient plus temperature rise.
- 3) Irms: 1.5A (Irms is the AC current required to produce a temperature rise of 40degC at an ambient temperature of 25degC)
- 4) Meets UL94V-0

Sample approval is required before release to production. Sample specifications take precedence over customer specifications.

Customer Signature

Rev.	Description	PRD	CHK	APP	Date	NTFY
0	Initial release	Emily	Joe	L. L. Chou	2008/4/16	2008/4/16
0	Corrected inductance spec (was 1 mH +/- 30%) to reflect core spec.	Helen	Joe	L. L. Chou	2015/5/4	2015/5/4

Mouser Electronics

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