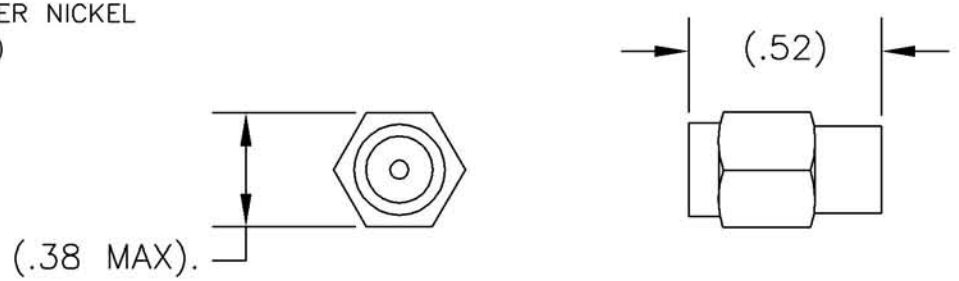
REVISIONS		DWG. NO. 2–18T–MA	SHEET 1	REV B
REV	DESCRIPTION	DATE	APPROVED	
A	RELEASED TO PRODUCTION	3–6–06		
B	DUTY CYCLE WAS 0.05% ECN12712	3–14–06	DMD	

SPECIFICATIONS:
NOMINAL IMPEDANCE: 50 OHMS
FREQUENCY RANGE: DC TO 18GHz
AVERAGE POWER RATING: 2 WATTS AT 25°C.
(DERATED LINEARLY TO 1 WATT AT +125°C)
PEAK POWER: 500 WATTS MAX.
(5uSec PULSE, 0.25% DUTY CYCLE)
VSWR: SEE TABLE
OPERATING TEMPERATURE: −65°C TO +125°C.
CONNECTOR: SMA MALE
MATERIALS:
COUPLING NUT: PASSIVATED STAINLESS STEEL
BODY: GOLD PLATED STAINLESS STEEL
CONTACTS: BERYLLIUM COPPER, GOLD PLATED OVER NICKEL
RESISTIVE ELEMENT: THIN FILM ALUMINA (NO BeO)



PARAMETER	SPECIFICATION
VSWR	
DC – 4GHz	1.05:1 MAX.
4GHz – 8GHz	1.10:1 MAX.
8GHz – 12.4GHz	1.15:1 MAX.
12.4GHz – 18GHz	1.20:1 MAX.

DIMENSIONS HEREON ARE FOR CUSTOMER CONVENIENCE AND REFERENCE ONLY. TOLERANCE TO BE APPLIED ONLY WHERE INDIVIDUALLY STATED ON THE RESPECTIVE DIMENSION. **–DO NOT SCALE DRAWING–**

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ±1/64 DECIMALS .XX= ±.010 .XXX= ±.005
ANGLES ±30° MILLIMETERS .X= ±.4 .XX= ±.12
DO NOT SCALE DRAWING

APPROVALS		DATE
DRN	DMD	3–6–06
CHK	DMD	3–3–06
APP	DMD	3–3–06

THIS DRAWING IS THE PROPERTY OF THE BIRD TECHNOLOGIES GROUP OR BIRD ELECTRONIC CORPORATION. THE DESIGNS AND SPECIFICATIONS DISCLOSED HEREON ARE PROPRIETARY AND SHALL NOT BE REPRODUCED, NOR COPIED, NOR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT THEIR EXPRESS WRITTEN CONSENT.

MATERIAL CODE
FINISH CODE

BIRD® TECHNOLOGIES GROUP ELECTRONIC CORPORATION

TITLE TERMINATION, CONVECTION COOLED SMA MALE, 2W

A	FSCM NO. 70998	SCALE 1:1	DWG. NO. 2–18T–MA	REV B
PROJ./LIB AUTOCAD		COMM CODE LD1	SHEET 1 OF 1	