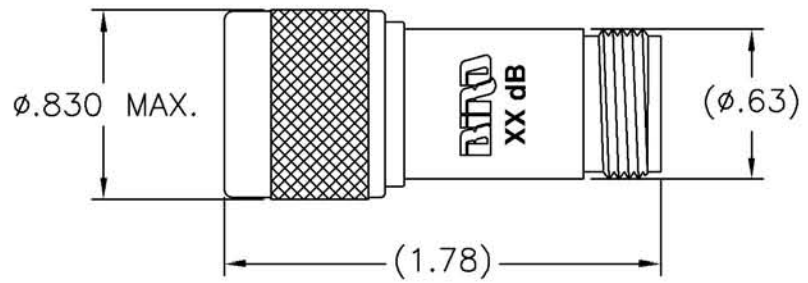
REVISIONS		DWG. NO. 2–18A–MFN–XX	SHEET 1	REV B
REV	DESCRIPTION	DATE	APPROVED	
A	RELEASED TO PRODUCTION	3–6–06		
B	DUTY CYCLE WAS 0.05% ECN12712	3–14–06	DMD	

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: 250 WATTS MAX.
(5uSec PULSE, 0.25% DUTY CYCLE)
VSWR AND ATTENUATION ACCURACY: SEE TABLE
OPERATING TEMPERATURE: −65°C TO +125°C.
CONNECTORS: N–TYPE MALE/FEMALE
MATERIALS:
COUPLING NUT: PASSIVATED STAINLESS STEEL
BODY: PASSIVATED STAINLESS STEEL
CONTACTS: BERYLLIUM COPPER, GOLD PLATED OVER NICKEL
RESISTIVE ELEMENT: THIN FILM ALUMINA (NO BeO)



ELECTRICAL CHARACTERISTICS
XX = DASH NUMBER (dB VALUE)

DASH NO.	dB VALUE	ATTENUATION ACCURACY DC – 18GHz	DC–4 GHz	4–8 GHz	8–12.4 GHz	12.4–18 GHz
			VSWR MAX.			
−30	30	±0.75 dB	1.15	1.20	1.25	1.35
−20	20	±0.5 dB				
−10	10	±0.5 dB				
−06	6	±0.3 dB				
−03	3	±0.3 dB				

NOTES:

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	3–04–06
CHK	DMD	3–3–06
APP	DMD	3–3–06

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MATERIAL: SEE SPECIFICATIONS
CODE
FINISH
CODE

BIRD TECHNOLOGIES GROUP ELECTRONIC CORPORATION

TITLE: ATTENUATOR, BROADBAND PRECISION, 18GHz N–TYPE MALE/FEMALE, 2W

A	FSCM NO. 70998	SCALE 1:1	DWG. NO. 2–18A–MFN–XX	REV B
PROJ./LIB AUTOCAD		COMM CODE AT1	SHEET 1 OF 1	