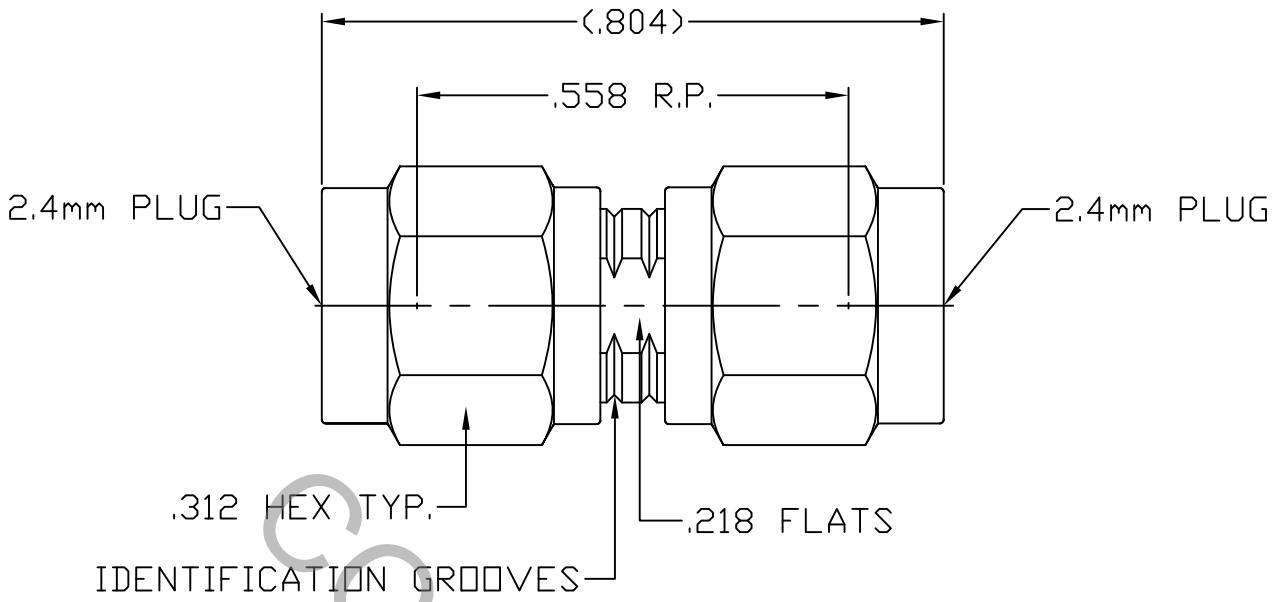
SPECIFICATION CONTROL DRAWING



1. MATING — INTERFACE DIMENSIONS FOR 2.4mm PLUG PER DYNAWAVE MD-12-2.4

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 50.0 GHz.
VSWR (MAX.)	DC TO 18.0 GHz. — 1.08
	18.0 – 26.5 GHz — 1.20
	26.5 – 40 GHz. — 1.35
	40.0 – 50 GHz. — 1.45
INSERTION LOSS (dB MAX.)	.075 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	167
RF LEAKAGE (MIN. dB DOWN)	−100 dB − FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65°c TO + 125°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	05-1656	6/9/05	DC
AB	10-1469	5/11/10	DC
AC	13-1125	1/25/13	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ±.030 .XX ±.010 .XXX ±.005	±1/64	X° ±1° 0' X° X' ± 15'

dynawave INCORPORATED
HAVERHILL, MA 01835

DRAWN DC DATE 6/9/05

APPROVED DC DATE 6/9/05

TITLE
2.4mm PLUG TO 2.4mm PLUG ADAPTER

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 1100-1212-6200

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
MAX.AXIAL FORCE	6.0 LBS.
MAX. RADIAL TORQUE	N/A
CENTER CONTACT MATING FORCES	
● INSERTION (MAX. OUNCES)	N/A
● WITHDRAWAL (MIN. OUNCES)	N/A
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	500
RECOMMENDED MATING TORQUE	7 – 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65° c TO + 125°c)
SHOCK	MIL–STD–202, METHOD 213, COND. I (100 G's)
VIBRATION	MIL–STD–202, METHOD 204, COND. D (20 G's)
MOISTURE RESISTANCE	MIL–STD–202, METHOD 106, LESS STEP 7b
CORROSION	MIL–STD–202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE)	MIL–STD–202, METHOD 105, COND. C (70,000 FT.) (125 VRMS)

5. MATERIAL

CONNECTOR BODIES AND COUPLING NUT	STAINLESS STEEL PER ASTM–A–582, TYPE 303, COND. A
CONTACTS	BERYLLIUM COPPER PER ASTM–B–196/B, 196M–03, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
INSULATOR	PLASTIC COMPOSIT

6. FINISH

CONNECTOR BODIES AND COUPLING NUT	PASSIVATE PER AMS–2700, TYPE 2, CLASS 4
CONTACTS	GOLD PER ASTM–B–488, TYPE I, CODE C, CLASS 0.75 (.000030 – .000055 THK.) OVER NICKEL PER SAE–AMS–QQ–N–290 CLASS 1 (.000050 – .000075 THK.) OVER COPPER PER AMS–2418 (.000010 MIN. THK.).
INSULATOR	N/A