



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
010	RELEASED	07/08/92	LDR

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
RETAINING RING	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	N/A
CONTACT EXT. BUSHING	IRON-NICKEL-COBALT ALLOY PER MIL-I-23011 CLASS 1 (KOVAR)	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
RIGID GASKET	SAE C12L14 STEEL	SILVER PLATE PER QQ-S-365
HERMETIC SEAL	GLASS BEAD	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A Fig. 310.1	Temperature Rating <u>-65°C To +125°C</u>
Frequency Range (GHz) <u>DC - 18</u>	Recommended Mating Torque <u>7 to 10 in-lbs</u>	Vibration - MIL-STD-202, Method 204, Condition D, 20G's
VSWR <u>1.04+.009 f(GHz)</u>	Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u>	Shock - MIL-STD-202, Method 213, Condition I, 100G's
Insertion Loss (dB MAX) <u>.04 √f(GHz)</u>	Withdrawal (MIN Oz) <u>N/A</u>	Thermal Shock MIL-STD-202, Method 107, Condition B
RF Leakage (dB MIN) <u>-(100 - f(GHz))</u>	Force To Engage (In-Lbs MAX) <u>2.0</u>	Moisture Resistance - MIL-STD-202, Method 106
Corona, 70,000 Ft (VRMS MIN) <u>333</u>	Force To Disengage (In-Lbs MAX) <u>2.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) <u>1000 @ sea level</u>	Center Contact Captivation Axial (Lbs) <u>6.0</u>	Leak Test - MIL-STD-202, Method 112, Condition C, Procedure I, 1×10^{-8} cc/sec
Contact Resistance (Milliohms MAX) Center Contact <u>10.0</u>	Radial (In-Oz) <u>N/A</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>T.B.D.</u>	
RF High Potential @ sea level (VRMS MIN @ 5 MHz) <u>667</u>		
I.R.(Megohms) <u>5000</u>		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON
FRAC. DEC. ANGLES
± 1/64 ± .005 ± 1°

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DRAWN BY M Down DATE 05-18-92
CHECKED BY MLC DATE 5-18-92
APPD BY LDR DATE 07/08/92

USE ASS'Y PROCEDURE

NO. AP. 20-601

AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

TITLE OSM BULKHEAD SPARK PLUG HERMETICALLY SEALED

SIZE	CODE IDENT NO.	REV
B	26805	010

SCALE 3 : 1 SHEET 1 OF 1

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