



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
010	RELEASED	07/08/92	<i>[Signature]</i>

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 <u>Fig. 310.1</u>	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>		

COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES $\pm 1/64$ $\pm .005$ $\pm 1^\circ$		
DRAWN BY <i>[Signature]</i> DATE <u>05-18-92</u> CHECKED BY <i>[Signature]</i> <u>5-18-92</u> APPD BY <i>[Signature]</i> <u>07/08/92</u>		
AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599		
TITLE OSM BULKHEAD SPARK PLUG HERMETICALLY SEALED		
NO. AP. <u>20-601</u>	USE ASS'Y PROCEDURE	
SIZE <u>B</u>	CODE IDENT NO. <u>26805</u>	TITLE NO. <u>2057-5119-02</u>
SCALE <u>3 : 1</u>		REV <u>010</u>
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