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LOC

DIST

REVISIONS

AJ

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P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER EC OS14-0098-05	11MAY2006	KS	KW

200±5

REFERENCE PLANE TO CENTERLINE

ORIENTED FLAT

7.90 HEX

SMA BULKHEAD JACK

3.20 MAX PANEL THICKNESS

OSMT JACK

INSULATING DISK

2.1 REF

ø2.5 REF

ø1.3 REF CABLE

ø6.40 MIN

6.00 MIN

1. PERFORMANCE SHOWN FOR SSMT CONNECTOR AND CABLE ONLY.

FOR CABLE ASSEMBLY DATA CONSULT FACTORY.

SMA CONNECTOR

HOUSING & COUPLING NUT	STAINLESS STEEL	PASSIVATE
CENTER CONTACT	BERYLLIUM COPPER	GOLD PLATE
INNER CONTACT	BERYLLIUM COPPER	GOLD PLATE
DIELECTRIC	TETRAFLUOROETHYLENE (TFE)	N/A
RETAINING RING	BERYLLIUM COPPER	N/A
GASKET	SILICONE RUBBER	N/A
FERRULE	COPPER OR BRASS	NICKEL PLATE
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND	N/A

SSMT CONNECTOR

OUTER CONTACT	BERYLLIUM COPPER	GOLD PLATE OVER NICKEL PLATE
CENTER CONTACT	BERYLLIUM COPPER	GOLD PLATE OVER NICKEL PLATE
DIELECTRIC	POLYPROPYLENE, GF	N/A

CABLE

JACKET	FLUORINATED ETHYLENE PROPYLENE (FEP)	N/A
SHIELD	COPPER WIRE, 44 AWG	SILVER PLATED
DIELECTRIC	POLYTETRAFLUOROETHYLENE (PTFE)	N/A
CENTER CONDUCTOR	COPPER CLAD STEEL, 30 AWG	SILVER PLATED

INSULATING DISK

POLYESTER

N/A

COMPONENT

MATERIAL

FINISH

ELECTRICAL

FREQUENCY	DC - 6 GHz
NOMINAL IMPEDENCE	50 OHMS
VOLTAGE RATING	250 VOLTS (VRMS MAX) @ SEA LEVEL
VSWR (MATED CONNECTORS ONLY)	1.20:1 MAX @ 2 GHz 1.40:1 MAX @ 6 GHz
INSULATION RESISTANCE	1,000 MEGOHMS MIN @ 250 VDC
DIELECTRIC WITHSTANDING VOLTAGE	500 VOLTS (VRMS MIN) @ SEA LEVEL

MECHANICAL

CONNECTOR DURABILITY

100 MATING CYCLES

ENVIRONMENTAL

TEMPERATURE RATING

-40°C(-40°F) TO +125°C(257°F)

PRODUCT SPEC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	DK SCHRUM	11MAY2006	tyco Electronics		Tyco Electronics Corporation Harrisburg, PA 17105-3608			
DIMENSIONS: mm		CHK	KE WEIDNER	11MAY2006	NAME					
		APVD	KE WEIDNER	11MAY2006	PRODUCT SPEC					
		APPLICATION SPEC								
		WEIGHT								
MATERIAL	-	FINISH	-	SCALE		4:1	SHEET	1 of 1	REV	B
CUSTOMER DRAWING										

1064553-1

PART NUMBER

1064553

AMP 1471-9 REV 31MAR2000

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