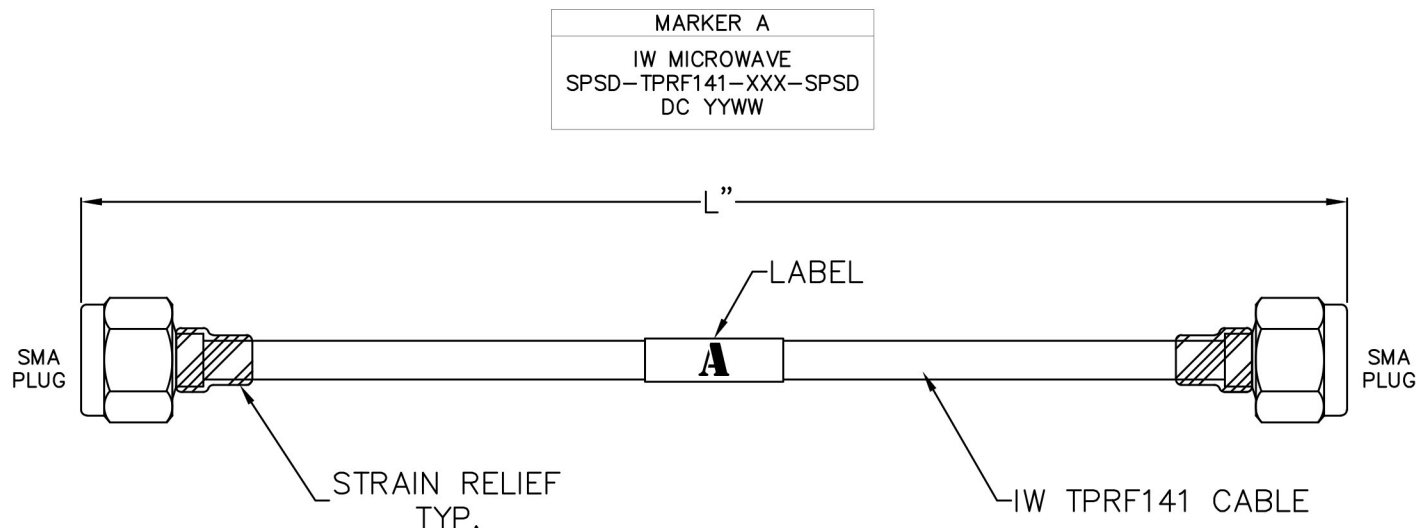


DATE	SYM	REVISION RECORD	AUTH	DR	CK
11/04/13	A	RELEASED	JML	DAJ	JML



NOTES

1. MATERIALS (ALL MATERIAL USED IN THIS ASSEMBLY ARE ROHS COMPLIANT)

SMA Direct Solder Plug: SPDS-TPRF141 (SEE SPEC)

Cable: IW TPRF141 (SEE SPEC)

Strain Relief: Polyolefin per AMS-DTL-23053/5

Labels: Polyolefin per AMS-DTL-23053/5

Solder: SN96

2. PERFORMANCE

Impedance: 50Ω

Freq. Range: DC - 18 GHz

Max Loss: $L * (.009 \sqrt{f}) + .0006 * f + .012 * f$

Max VSWR: 1.35:1 (DC - 18 GHz)

3. MECHANICAL

Length: "XXX" IN PART NUMBER CORRESPONDS
DIRECTLY TO LENGTH OF ASSEMBLY IN TENTHS
OF AN INCH.

Tolerance: $L < 36"$ ±.100
 $36" \leq L < 96"$ ±.250
 $L \geq 96"$ ±.500

Labels $L < 6"$: NO MARKER A; BAG LABEL ONLY.
 $6" \geq L < 120"$: MARKER A IS CENTRALLY LOCATED.
 $L \geq 120"$: 2x MARKER A; ONE AT EACH END
APPROX. 6.00" FROM CONNECTOR.

4. MIN. BEND RADIUS .125 INCHES.

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FSCM
OHRT9

UNLESS OTHERWISE SPECIFIED
TOLERANCES: ANGLE=1° .XX=±.01
.XXX=±.005 .XXXX=±.0005
FINISH: 63 MICROINCHES MAX.
BREAK SHARP EDGES .003 MAX.
CHAMFER 1ST THREAD 45°
ALL DIAMETERS TO BE CONCENTRIC
WITHIN .003 TIR
ALL DIMENSIONS AFTER PLATING
DIMENSIONS ARE IN INCHES

DRAWN BY
DAJ
APPROVED
JML
SCALE
N/A

DATE
11/04/13
DATE
11/04/13
DRAWING SIZE
A

TITLE
**SMA Direct Solder Plug
on IW TPRF141 Reflex Cable**
DRAWING NUMBER
SPSD-TPRF141-XXX-SPSD
REV
A