PIM SHIELD

Filter Kit, Two-port PIM Testing, 700 MHz, with Accessories

900633-02

SPECIFICATIONS

General	ConcealFab's patent pending 900633-02 filter kit enables 700 MHz two-port testing using portable PIM test equipment from Kaelus or Anritsu. The kit includes the low PIM filter required to split the F1 and F2 test ones as well as the cables, adapters and loads required for typical site testing.
Contents	• Filter • Soft case for filter • Transit case for kit • 3x 7-16 DIN male - 7-16 DIN male test cables • 2x Low PIM load • 2x 7-16 DIN male – 7-16 DIN female adapters, (connector savers) • 7-16 DIN female - 7-16 DIN female adapter • 7-16 DIN female – 4.3-10 female adapter • 7-16 DIN female – 4.3-10 male adapter • Adapter case • Cleaning kit + case • 2x Lanyards • External PIM source

FILTER SPECIFICATIONS

IM3, common port	<-125 dBm with 2x 20W test tones
IM3, radiated	<-100 dBm, near field test, static, 2x 20W test tones, 700 MHz band in accordance with IEC 62037-8
Common port passband	698 MHz to 806 MHz
"High" port passband	741 MHz to 806 MHz
"Low" port passband	698 MHz to 734.5 MHz
"High" to "Low" port Isolation	>40 dB
Insertion Loss	1.0 dB maximum per path
Return Loss	17 dB min. (All ports)
Power Handling	2x 46 dBm CW tones into Common port
RF connectors	3x 7-16 DIN Female
Operating temperature	-10°C to +40°C

ACCESSORY SPECIFICATIONS

Test cables	1/2-inch flexible cable, 10FT, IM3 <-125 dBm with 2x 20W
Adapters	IM3 < -125 dBm with 2x20W
Low PIM terminations	10W continuous, IM3 <-125 dBm with 2x 20W
Kit Dimensions (Hard case outside dimensions)	22.1-inch x 18.0-inch x 10.4-inch
Kit Weight	39 lbs.

NOTICE: *In order to maintain low PIM performance test technicians must be very careful not to damage the common port connector. The filter is supplied with a padded soft case for protection while testing and a hard case for protection during transit. The filter ships with a connector saver installed on the common port plus a spare connector saver. Do not use the filter without a connector saver installed! Damaged input connectors may not be able to be repaired.*

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PORT CONFIGURATION

TEST CONFIGURATION

Additional equipment required to perform two-port PIM testing:

- PIM Analyzer (Kaelus iPA-0707A or Anritsu MW82119A or B, Option 700)