

Main Features

- Outstanding PIM Performance
- Field replaceable
 - Automatic detection in BaseUnit
 - Factory calibrated
- Portable with a rugged design
- Field replaceable Testport
 - 7/16 DIN and 4.3/10 DIN (-G opt)



General

Dimensions
Weight
Internal Ports
RF Port

330 × 275 × 67 (L×W×H)
3 – 4.5 kg (depends on frequency band)
5 × P-SMP, SLC landing socket
Field replaceable Testport 7/16 DIN, 4.3/10 DIN (opt)

Environmental

Operating Temperature Range
Storage Temperature Range
Relative Humidity
Mechanical shock

-10°C to + 40°C
-20°C to +80°C
5% to 95% RH non-condensing
40G

IM-B-FI-700/B12+17 (LTE700 L)

ETSI Band	B12, B17
Transmit Path	
Range TX1	728 – 740 MHz
Range TX2	750 – 764 MHz
Receive Path	
Range B12	698 – 716 MHz
Residual PIM	< -125 dBm (< -168 dBc), referred to 2 × +43 dBm
Weight	kg

IM-B-FI-700/B13+14 (LTE700 U)

ETSI Band	B13, B14
Transmit Path	
Range TX1	728 – 740 MHz
Range TX2	750 – 764 MHz
Receive Path	
Range B13+14	776 – 798 MHz
Residual PIM	< -125 dBm (< -168 dBc), referred to 2 × +43 dBm
Weight	kg

IM-B-FI-700/B28 (APT700)

ETSI Band	B28
Transmit Path	
Range TX1	758 – 775 MHz
Range TX2	782 – 803 MHz
Receive Path	
Range	703 – 748 MHz
Residual PIM	< -125 dBm (< -168 dBc), referred to 2 × +43 dBm
Weight	kg

IM-B-FI-800/B20 (DigDiv800)

ETSI Band	B20
Transmit Path	
Range TX1	791 – 802 MHz
Range TX2	812 – 821 MHz
Receive Path	
Range	832 – 862 MHz
Residual PIM	< -125 dBm (< -168 dBc), referred to 2 × +43 dBm
Weight	kg

IM-B-FI-850/B5 (AMPS850)

ETSI Band	B5
Transmit Path	
Range TX1	869 – 880 MHz
Range TX2	885 – 894 MHz
Receive Path	
Range	824 – 851 MHz
Residual PIM	< -125 dBm (< -168 dBc), referred to 2 × +43 dBm
Weight	kg

IM-B-FI-900/B8 (EGSM900)

ETSI Band	B8
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**PIM SITE ANALYZER α
BAND FILTER UNIT****IM-B-FI-xxxx****Transmit Path****Range TX1**

925 – 938 MHz

Range TX2

945 – 960 MHz

Receive Path**Range**

880 – 915 MHz

Residual PIM

< -125 dBm (< -168 dBc), referred to 2 × +43 dBm

Weight

kg

**PIM SITE ANALYZER α
BAND FILTER UNIT**

IM-B-FI-xxxx

IM-B-FI-1400/B11+21 (LTE1400)

ETSI Band	B11, B21
Transmit Path	
Range TX1	1475.9 – 1487 MHz
Range TX2	1494 – 1510.9 MHz
Receive Path	
Range	1427.9 – 1462.9 MHz
Residual PIM	< -125 dBm (< -168 dBc), referred to 2 x +43 dBm
Weight	kg

IM-B-FI-1800/B3 (DCS1800)

ETSI Band	B3
Transmit Path	
Range TX1	1805 – 1840 MHz
Range TX2	1850 – 1880 MHz
Receive Path	
Range	1710 – 1785 MHz
Residual PIM	< -125 dBm (< -168 dBc), referred to 2 x +43 dBm
Weight	3.2 kg

IM-B-FI-1900/B2+4 (PCS/AWS1900)

ETSI Band	B2, B4
Transmit Path	
Range TX1	1930 – 1950 MHz
Range TX2 (B2 PCS)	1970 – 1995 MHz
Range TX2 (B4 AWS)	1970 – 2155 MHz
Receive Path	
Range (B2 PCS)	1850 – 1910 MHz
Range (B4 AWS)	1710 – 1755 MHz
Residual PIM	< -125 dBm (< -168 dBc), referred to 2 x +43 dBm
Weight	kg

IM-B-FI-2100/B1 (UMTS2100)

ETSI Band	B1
Transmit Path	
Range TX1	2110 – 2130 MHz
Range TX2	2150 – 2170 MHz
Receive Path	
Range	1920 – 2060 MHz
Residual PIM	-125 dBm (< -168 dBc), referred to 2 x +43 dBm
Weight	kg

IM-B-FI-2600/B7 (LTE II 2600)

ETSI Band	B7
Transmit Path	
Range TX1	2620 – 2640 MHz
Range TX2	2660 – 2695 MHz
Receive Path	
Range	2445 – 2590 MHz
Residual PIM	< -125 dBm (< -168 dBc), referred to 2 x +43 dBm
Weight	kg

Accessories

	Part Number	Description
Useful α Accessories	IM-B-ACSRy-Bag-BU	Carrying bag for Base Unit
	IM-A-ACSRy-Bat	Battery Pack
	IM-B-ACSRy-Backpack	Backpack for accessories
	IM-B-ACSRy-Case-BU	Transportation case for Base Unit
α Spare Parts	60S101-KIMN1	7/16 Testport Saver for use on α Filter
	60S164-K00N1	4.3/10 Testport Saver for use on α Filter
Low PIM Adaptors	60S101-KIMN1	7/16 Male to 7/16 Female adapter
	60S101-SIMN1	7/16 Male to 7/16 Male adapter
	60K101-KIMN1	7/16 Female to 7/16 Female adapter
	60S153-KIMN1	7/16 Male to N Female adapter
	53S160-KIMN1	7/16 Female to N Male adapter
	60S164-K00N1	7/16 Male to 4.3/10 Female adapter
	60S164-S00N1	7/16 Male to 4.3/10 Male adapter
	60K164-S00N1	7/16 Female to 4.3/10 Male adapter
PIM Standards	60S110-KxxN1	-110dBm standard adapter (band specific) included with every filter unit (7/16 DIN Type)
	64S110-KxxN1	-110dBm standard adapter (band specific) included with every filter unit (4.3/10 DIN Type)
	xx: 07 LTE700; 08 DigDiv AMPS; 09 EGSM; 18 DCS; 19 PCS/AWS; 21 UMTS; 26 LTE2600; other frequencies on request	
Low PIM Terminations	60Z150-020	Low PIM termination (portable, with male & female ports)
	60Z150-012	Low PIM termination (Benchtop type)
Tools	60W000-002	32mm torque wrench
	53W010-000	18mm torque wrench
	99W057-000	Adjustable flat wrench
Test Cables	LC02-186-4000	Test Cable 7/16 male / 7/16 male 4.0m
	LC02-186-1500	Test Cable 7/16 male / 7/16 male 1.5m
	LC02-188-4000	Test Cable 7/16 male / N male 4.0m
	LC02-188-1500	Test Cable 7/16 male / N male 1.5m
	SLJ12SP-60M64M-2.0m-00	Test Cable 7/16 male / 4.3/10 male 2.0m
	SLJ12SP-64M64M-2.0m-00	Test Cable 4.3/10 male / 4.3/10 male 2.0m
Super Flex Test Cables	IM-Cable-716m-716m-3000	Test Cable 7/16 male / 7/16 male 3.0m
	IM-Cable-716m-4310m-3000	Test Cable 7/16 male / 4.3/10 male 3.0m
	IM-Cable-4310m-4310m-3000	Test Cable 4.3/10 male / 4.3/10 male 3.0m

**PIM SITE ANALYZER α
BAND FILTER UNIT**

IM-B-FI-xxxx

Part Number Designation

IM-B-BU-xxxx

xxxx: 0727:

Base Unit

700-2700MHz Broadband Power Amplifier & Receiver

IM-B-FI-xxxx

xxxx: 700/B12-14:
700/B28:
800/B20:
850/B5:
900/B8:
1400/B11+21
1800/B3:
1900/B2+4:
2100/B1:
2600/B7:

Filter Unit 7/16 Test port

LTE700LU (ETSI Band12 to 14)
APT700 (ETSI Band28)
DigDiv (ETSI Band20)
AMPS (CDMA 800) (ETSI Band5)
EGSM (ETSI Band8)
LTE1400 (ETSI Band11 & 21)
DCS (ETSI Band3)
PCS + AWS (ETSI Band2 & 4)
UMTS (ETSI Band1)
UMTS II / LTE II (ETSI Band7)

IM-B-FI-xxxx-G

xxxx: 700/B12-14-G:
700/B28-G:
800/B20-G:
850/B5-G:
900/B8-G:
1400/B11+21-G
1800/B3-G:
1900/B2+4-G:
2100/B1-G:
2600/B7-G:

Filter Unit 4.3/10 Test port

LTE700LU (ETSI Band12 to 14)
APT700 (ETSI Band28)
DigDiv (ETSI Band20)
AMPS (CDMA 800) (ETSI Band5)
EGSM (ETSI Band8)
LTE1400 (ETSI Band11 & 21)
DCS (ETSI Band3)
PCS + AWS (ETSI Band2 & 4)
UMTS (ETSI Band1)
UMTS II / LTE II (ETSI Band7)

IM-A-SWO-xxxx

xxxx: CPRI

Software option

CPRI Measure and Cancel PIM over CPRI Fiber

IM-B-ACSRY-xxxx

xxxx: Case-BU:
Bag-BU:

Accessory

Transport Case BaseUnit, Energy Supply,
Transport Bag

Order Number Example

IM-B-BU-0727 Base unit with broadband amplifier 700 -2700 MHz, receiver, fiber CPRI unit
IM-A-BU-Bat Single Battery Pack
IM-B-FI-700/B12-14 Filter Insert for LTE700 Lower and Upper band (ETSI Band12, 13 & 14), 7/16
IM-B-FI-900/B8-G Filter Insert for EGSM900 (ETSI Band8), 4.3/10
IM-B-ACSRY-Bag-BU Transport Bag for Base Unit

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Kaindl B.	2017-03-24	C .Entsfellner	2017-03-24	100		Kaindl B.	2017-03-24
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