

## PIL-0001A

### Low Passive Intermodulation (PIM) Load



#### FEATURES

- Low Passive Intermodulation (PIM)
- Consistent PIM level over wide frequency range
- Used for accurate PIM measurement
- Rugged shock proof design
- Heat shield for personal protection
- Dust cover for prolonged life
- Rear coupling ring for lanyard attachment

**SUMMITEK**  
ADVANTAGE

### TECHNICAL SPECIFICATIONS |

Frequency Range	500MHz - 2300MHz
RF impedance	50ohms
Return loss	500 - 1100MHz 12dB min
	1100 - 1500MHz 16dB min
	1500 - 2300MHz 15dB min
Passive intermodulation	< -107dBm (2 x 43dBm carriers) - typically < -115dBm
RF power rating	10W, continuous   40W, 3 mins (with 1:4 on / off ratio)
Connector	7/16 Female
Mating torque	25 Nm with wrench supporting connector flange
Operating temperature range	-10° to +50° C
Dimensions (L x D)	190 x 60mm (7.48 x 2.36in)
Weight	0.6kg (1.3lb)

**CAUTION:** The Kaelus PIL-0001A absorbs high level RF signals and will become hot during normal operation. The PIL-0001A will fail and the warranty will be void if operated beyond the RF Power Rating and times listed above. The RF power rating of the load for continuous use is 10W. Intermittent use up to 40W is permissible assuming the maximum on time is < 3 minutes. Cool down time must exceed RF on time by four times!