LTE-800/GSM-900 Diplexer, BK-55D

LTE-800 Band and GSM-900 Band Diplexer
790-862 & 890-960 MHz
Rev. A

$ Saver Product Line

- Integrates LTE-800 and GSM-900 Bands
- Low PIM Guaranteed
- 50 dB Input Isolation
- 250 W/port Avg. Power
- Minimal RF Insertion Loss & Ripple
- Rugged, High Reliability, IP68
- Low Cost Design
- RoHS compliant

Model Number	Connectors	Input Power Avg.	Input Power Peak	Weight, nom. lb. (kg)
BK-55D	7-16 (f)	250W	3kW	13.2 (6.0)

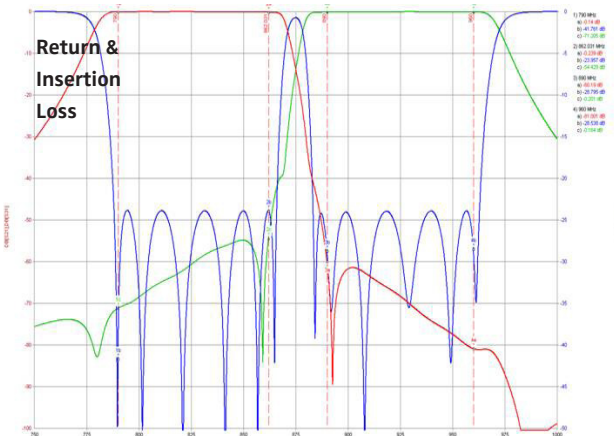
Microlab BK-55D is a Diplexer which allows combination and separation of the LTE-800 and GSM-900 signals, To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands.

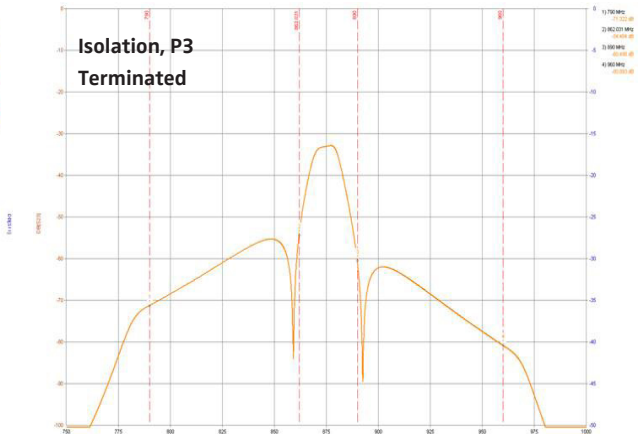
The Diplexer has been designed using passive, proprietary techniques which minimizes cost and size. At the same time it ensures minimal loss and very high reliability at input powers up to 250W per input.

DC pass through connections are included in the design.

Frequency Bands:

LTE-800	Port 1 - 3:	790-862 MHz
GSM-900	Port 2 - 3:	890-960 MHz
P1:P2 Isolation:		>50 dB in band, P3 terminated
Return Loss:		>19 dB, all ports
Passband Loss:		<0.3 dB
Intermod. Distortion:		<-155 dBc (tested with 2 +43dBm tones)
DC Path:		all paths
Surge Protection:		3kA using 10/350µs pulse
Impedance:		50Ω nominal
Environment:		-40°C to +65°C, IP68
Finish:	Connectors:	7-16 (f) long neck triplate
	Housing:	Grey Paint Coating
Mounting Kit:		Included for pole diameter 2.75 - 4.35 in., 70 - 110 mm





Note: Specifications are subject to change without prior notification.

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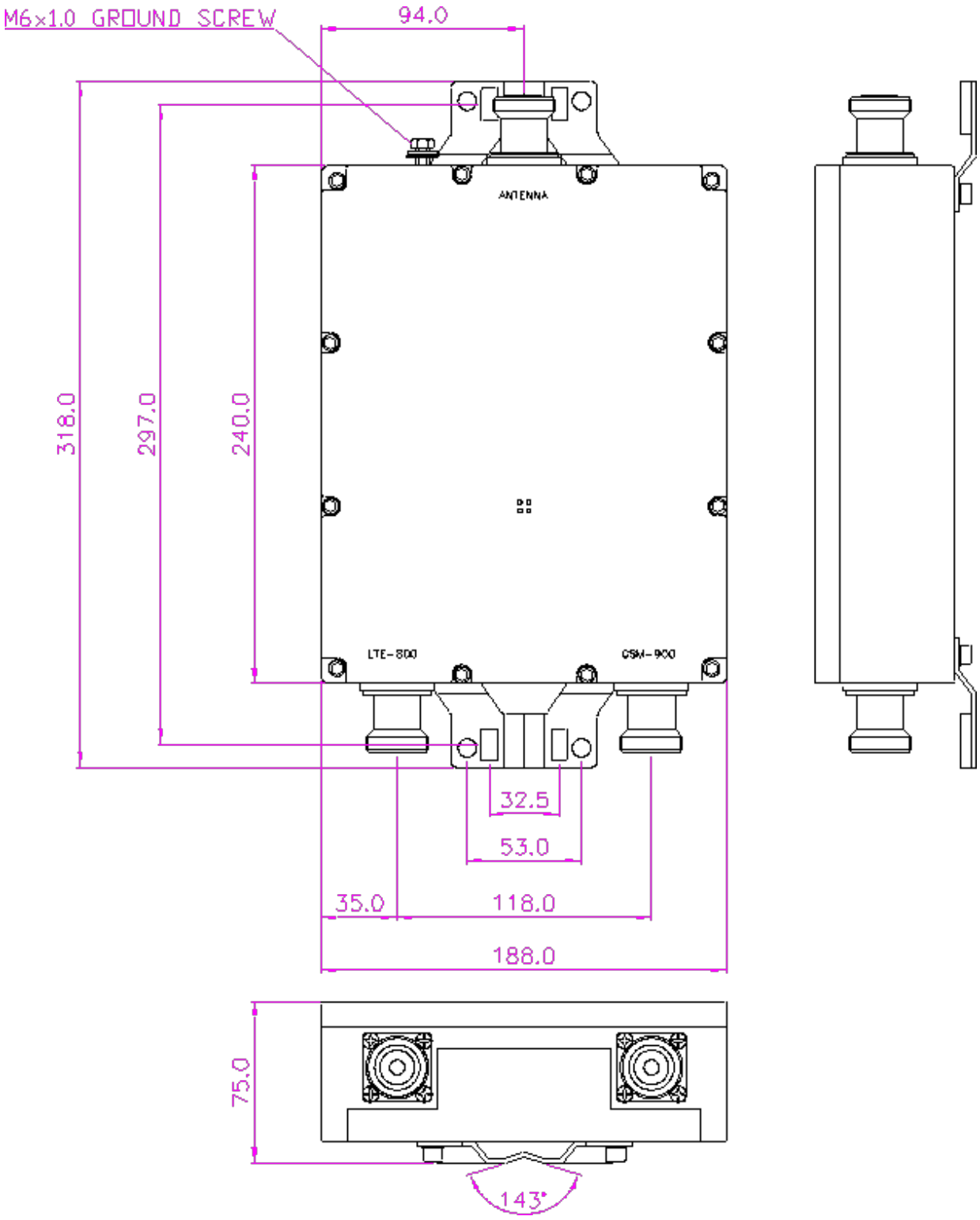
M6×1.0 GROUND SCREW
94.0
ANTENNA
LTE-800
GSM-900
318.0
297.0
240.0
32.5
53.0
35.0
118.0
188.0
75.0
143°