700+AWS/850+PCS Diplexer, BK-73

850+PCS 1900 Band and 700+AWS Band
Low Loss, High Isolation Diplexer Filter
Rev. A

$ Saver Product Line

- Integrates 700+AWS & 850+PCS Bands
- 45 dB Input Isolation
- Minimal RF Insertion Loss & Ripple
- Low Cost Design
- Low PIM Guaranteed
- 50W/port Avg. Power
- Rugged, High Reliability,
- RoHS compliant

BK-73N

BK-73D

Model Number	Connec-tors	Input Power Avg.	Input Power Peak	Weight, nom. lb. (kg)
BK-73D	7-16 (f)	50W	3kW	10.6 (4.8)
BK-73N	N (f)	50W	3kW	10.4 (4.7)

Microlab BK-73 series Diplexers allow combination and separation of the signals in the joint 700 MHz and AWS bands 1710 - 1755 MHz and 2110 - 2155 MHz with the joint 850 MHz and PCS band 1850 - 1990 MHz.

To minimize inter-reaction between the two input bands they are well isolated and have minimal insertion loss over their respective frequency bands. DC pass on both connections is standard to the design. (07/14)

Frequency Bands:		
P1	700 + AWS:	698 - 806 MHz
		1710 - 1755/2110 - 2155 MHz
P2	850 + PCS:	824 - 894+1850 - 1990 MHz
P1:P2 Isolation:		>45 dB in band
Return loss, all ports:		>18 dB
Passband Loss:		<0.5 dB
Intermod. Distortion:		<-140 dBc,
		(test with 2 +43dBm tones)
DC Path:		all paths
Impedance:		50Ω nominal
Environment:		-25°C to +65°C, IP67
Finish:	Connectors:	Triplate
	Housing:	Paint over RoHS compliant Al

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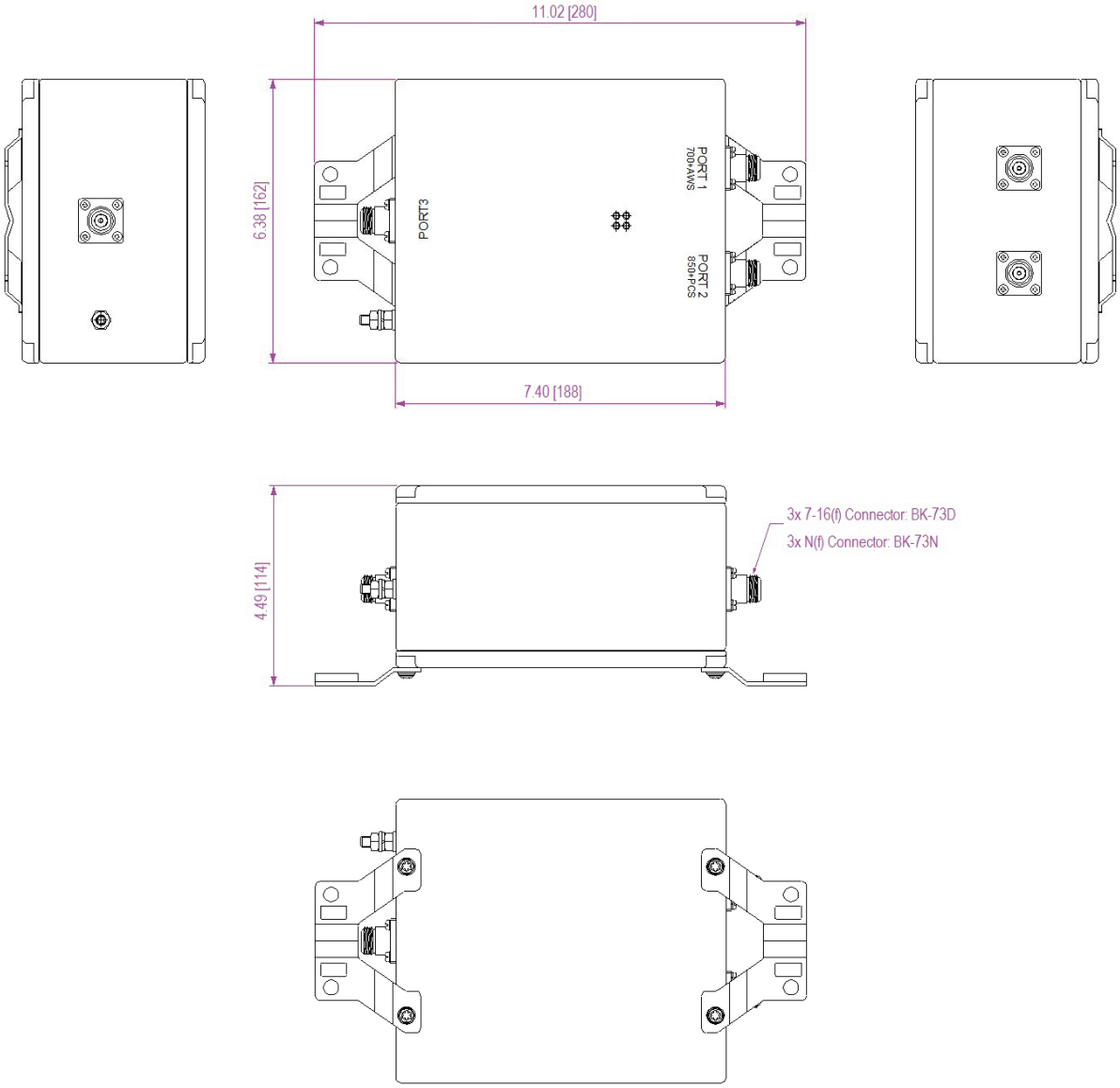

Dimensions in inches [mm]