

L-band DC Block with 10 MHz Block



DCBLKL1-4308 is an L-band DC block with 10MHz block.

This component is available with the following RF connector options: 50 Ω SMA, N-type, BNC and 75 Ω BNC or F-type.

Summary table for RF performance over L-band operation, 850 MHz to 2500 MHz

Model Numbers	RF Ports	Thru Path Insertion Loss* (dB)		Return Loss (dB)	
		Typical	Max	Typical	Min
DCBLKL1-4308-S5S5	50 Ω SMA	0.5	1	20	15
DCBLKL1-4308-N5N5	50 Ω N-type	0.5	1	18	14
DCBLKL1-4308-B5B5	50 Ω BNC	0.5	1	18	14
DCBLKL1-4308-B7B7	75 Ω BNC	0.5	1	16	12
DCBLKL1-4308-F7F7	75 Ω F-type	0.5	1	15	10

* 10MHz insertion loss is typically 25 to 30dB.

Maximum acceptable operating parameters for reliable and safe operation

Parameter	Value	Comment
Input RF power	+37 dBm (5W)	Max total RF power
DC Voltage	50V	Any RF port
Operating temperature	0 to 45 C	Indoor use only
Storage Temperature	-20 C to +75 C	
Humidity	85%	Non-condensing

! Operation beyond these limits may cause instantaneous and permanent damage.

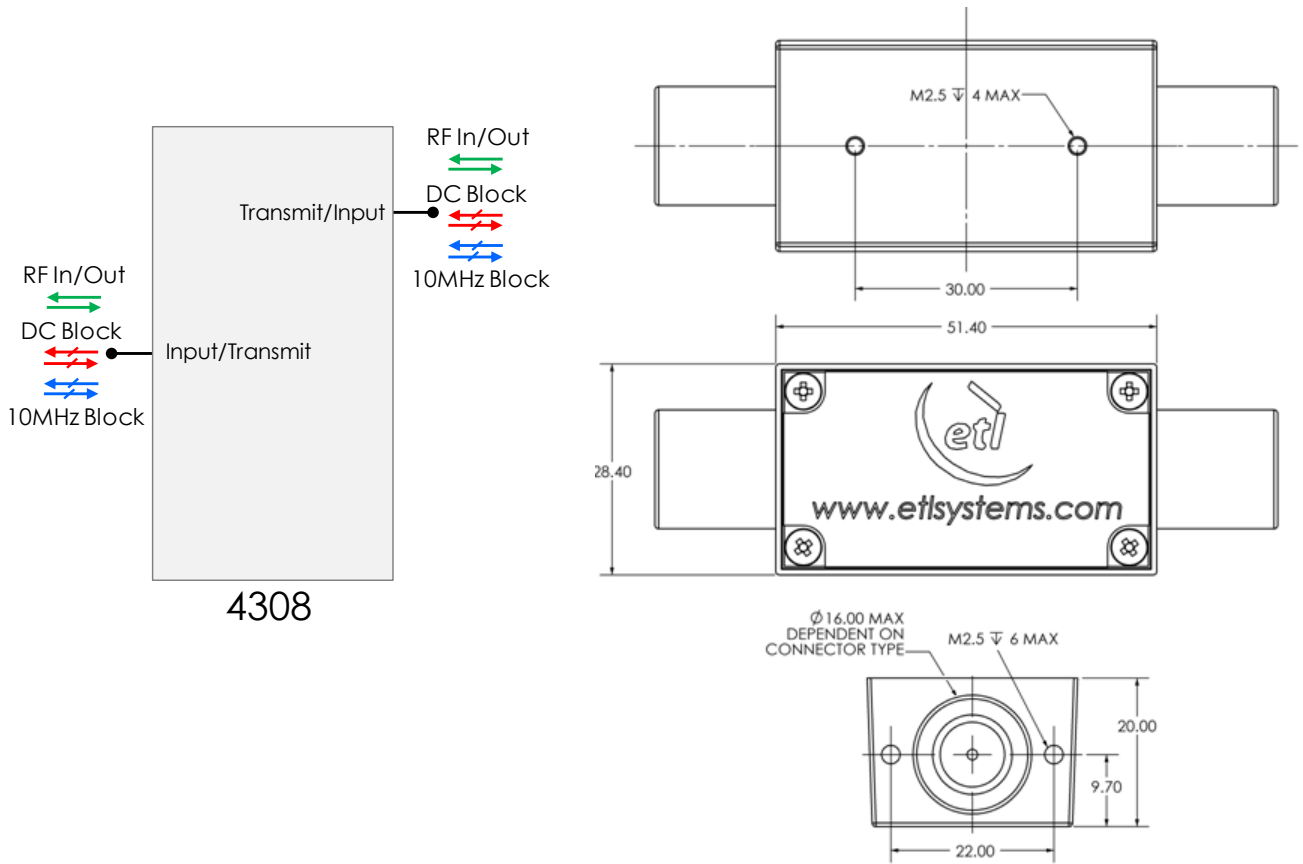


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Vector diagram & physical dimensions



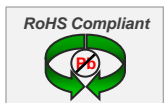
L-band DC block product range

Model Number	DC Pass/Block	Other features
DCBLK-L1-4302	DC block with L-band and 10MHz pass	10 MHz to 2500MHz DC block
DCBLK-L1-4308	DC & 10 MHz block	10 MHz to 2500MHz DC block



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