

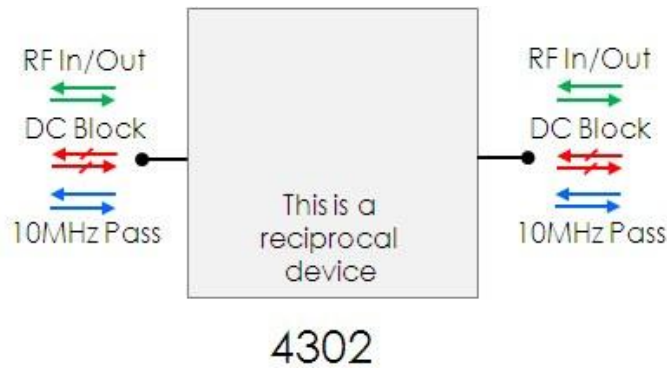
L-band DC Block with 10 MHz Pass



DCBLKL1-4302 is an L-band DC block with 10MHz pass.

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

Vector diagram



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 55 C	Indoor use only
Storage Temperature	-20 C to +75 C	
Humidity	85%	Non-condensing
Altitude	10,000 Feet	Above Mean Sea Level

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



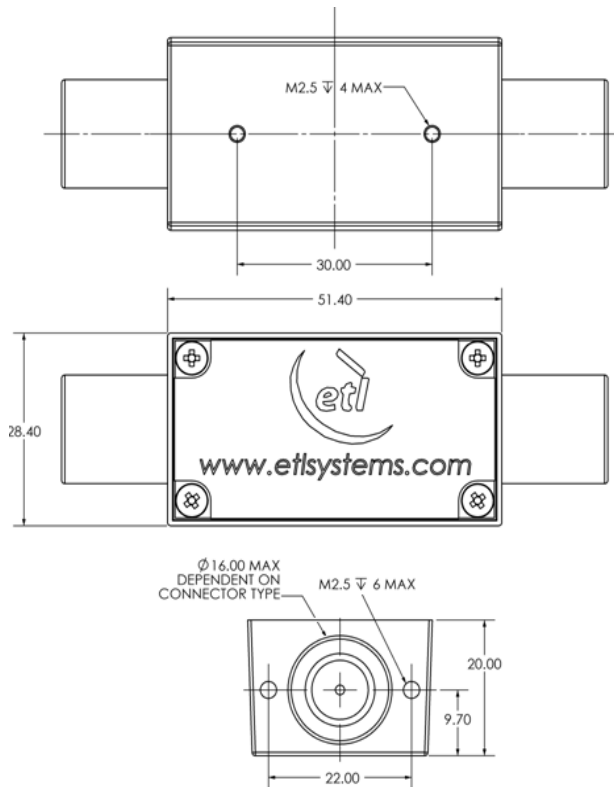
DCBLKL1-4302

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
DCBLKL1-4302-S5S5	50Ω SMA	0.5	1	20	15
DCBLKL1-4302-N5N5	50Ω N-type	0.5	1	18	14
DCBLKL1-4302-B5B5	50Ω BNC	0.5	1	18	14
DCBLKL1-4302-B7B7	75Ω BNC	0.5	1	16	12
DCBLKL1-4302-F7F7	75Ω F-type	0.5	1	15	10

* 10MHz insertion loss is typically 0.1dB.

Physical Dimensions



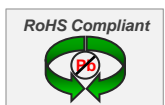
L-band DC block product range

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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